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SERVICE MANUAL

MODEL : LST-3410A

LG Electronics Inc.

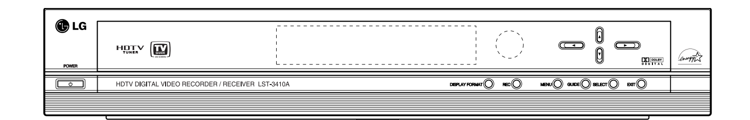


HD/SD PRESONAL VIDEO RECORDER & RECEIVER WITH GEMSTAR

SERVICE MANUAL

MODEL : LST-3410A

CAUTION
BEFORE SERVICING THE UNIT, READ THE “SAFETY PRECAUTIONS”
IN THIS MANUAL.



SECTION 1

SUMMARY

CONTENTS

INTRODUCTION

- Digital/Analog broadcasting recorder/receiver [HD/SD PRESONAL VIDEO RECORDER & RECEIVER] or PVR(Personal Video Recorder)-STB(Set-Top Box) receives the ground wave HD Digital broadcasting program /Analog NTSC or Cable broadcasting program and saves a video or audio signal at a HDD with a specific form or offers related additional services.

- Configuration
  The CUP is the IBM PPC405GP of the PowerPC series supporting PCI Bus I/F for PVR, and the tuner receives a digital ground wave and transfers it as a TP signal, transmitting the NTSC signal of the ground wave/the cable signal and transferring the audio signal to the SIF.
  The MPEG Decoder uses the HD-II supporting MP@HL built with the AC-3 Decoder.
  The PVR section transforms the TP data of a digital TV signal and an analog audio/video signal into the TP by using the MPEG-II Encoder and saves only the necessary one at the HDD via the IDE I/F Chip.

Overall configuration
- System section
  CPU, Main Memory, MPEG-II Decoder, Flash Memory, and System CPLD.
- MPEG Video/Audio Decoder section
  HD-2, Memory, PLL IC, Audio Processor, Audio ADC, and so on.
- PVR section
  TPN-II performing PCI I/F and TP De-Mux, Memory, MPEG-II Encoder, IDE I/F Chip, and 120GB HDD.
- Video/Audio input section
  CVBS Decoder, and Audio processor
-1394 section
  1394 1-Chip supporting D-VHS and MV Camcoder.
- Tuner
  It can receive a signal from ATSC/NTSC/Cable, and send a signal from the ATSC as TP, an analog video signal as NTSC, and an audio signal as SIF.
- Front section
  It is located at the front receiving various key inputs from users and displaying the status of a set-top box at the VFD.
- Power section
  It supplies a DC power to Main Digital Board, Front Board, and HDD with the input of AC 110V.

PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-video service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter “x” included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

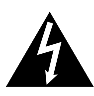
CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer’s approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

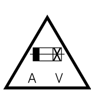
GRAPHIC SYMBOLS



The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated “dangerous voltage” that may be of sufficient magnitude to constitute a risk of electric shock.



The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:

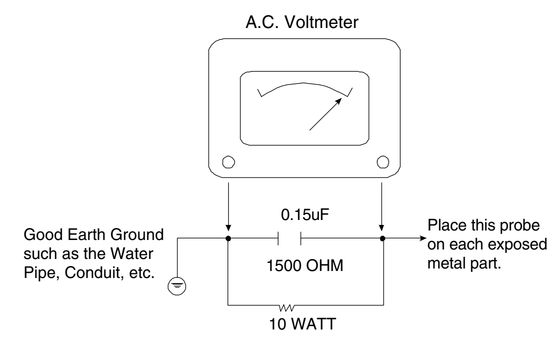
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.

SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items trans-ported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a high current device or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After reassembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST. Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

SERVICING PRECAUTIONS

CAUTION: Before servicing the HD/SD PRESONAL VIDEO RECORDER & RECEIVER WITH GEMSTAR covered by this service data and its supplements and addends, read and follow the *SAFETY PRECAUTIONS. NOTE:* if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety precautions.
Remember Safety First:

General Servicing Precautions

1. Always unplug the HD/SD PRESONAL VIDEO RECORDER & RECEIVER WITH GEMSTAR AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnecting or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this HD/SD PRESONAL VIDEO RECORDER & RECEIVER WITH GEMSTAR or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

5. Do not apply AC power to this HD/SD PRESONAL VIDEO RECORDER & RECEIVER WITH GEMSTAR and / or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

6. Always connect the test instrument ground lead to an appropriate ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.
Note 1: Accessible Conductive Parts include Metal panels, Input terminals, Earphone jacks,etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified as “anti-static” can generate electrical charges sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate an electrical charge sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil,or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SPECIFICATIONS

System Specifications

♦ **CPU [PPC405GP Rev E]**
- PowerPC405GP, 32-bit, 200MHz RISC Processor
- I Cache 16K, D Cache 8K
- SDRAM Controller(100MHz speed)
- External Peripheral Bus(up to 8 device)
- PCI 2.2 I/F(32-bit, 33MHz)]
- DMA, Interrupt Controller, Serial Port, GPIO, I^2C

♦ **System Memory**
- Main Memory : 32MB(K4S281632 x2)
- Flash Memory : 8MB(MEM29DL323x2)
- NVRAM : EEPROM(32KB, 105 Read/Write)
- Probe ROM : 512KB (Am29LV040)

♦ **MPEG 2 A/V Decoder [LGDT1102A]**
- 1 HD(MP@HL) or 4 SD(MP@ML)
- ATSC all format Decoding
- Memory : SDRAM 32MB(K4S641632 x4)
- Graphics
- 2D Graphics
- HD Resolution(max. 1080x1920 x16-bit)
- BitBLT/Rendering Cursor Support(by H/W)
- Alpha Blending(6-bit level) Support
- Audio Decoder
- AC-3 Decoding
- MPEG Audio Layer 1, 2 Decoding
- SPDIF Output

♦ **PLL IC [LGDT1901A]**
- HD-2 Video Clock Generation
- 27MHz VCXO input & Control Signals

♦ **System CPLD [EPM7256AETC]**
- HD-2 I/F Signal
- Address Decode
- GPIO

♦ **Audio Processor [MSP4450]**
- SIF Processing
- Audio Input Selection
- ADC/DAC
- Volume control

♦ **Video Decoder [VPX3226F]**
- CVBS Decoding
- Video Processing
- 656 Data Output
- VBI/CC support

♦ **DVI Transmitter [SiI170]**
- DVI output
- HDCP Support

♦ **I^2C Controller [PCF8584]**
- Tuner(ATSC/NTSC/Cable) I/F
- Gemstar I/F
- Front MiCOM I/F

♦ **TPN-II**
- TP Processing for PVR
- PCI I/F
- SDRAM I/F 16MB(K4S641632)
- PVR Function

♦ **MPEG-2 Encoder [BCM7040]**
- MPEG-2 Encoding (MP@ML)
- 656/I2S Input, TP output
- SDRAM I/F 16MB(K4S643232)
- PCI I/F

♦ **E-IDE Controller [ARS0303D]**
- PCI I/F
- E-IDE Controller

♦ **ATSC/NTSC/CableTuner[TDVL-H100P]**
- AT/NT/Cable NIM Tuner
- I^2C I/F, TP/CVBS/SIF Out

♦ **Miscellaneous**
- RS-232C
- RF Switch
- MiCOM(Timer, Gemstar Tuning)
- Gemstar I/F : Video Input, I^2C

♦ **IEEE-1394[TSB43CA42]**
- 1394 TP In/Out
- Link&PHY(1-Chip)

♦ **MUX CPLD [EPM7256AETC]**
- 1394 TP In/Out
- Encoder TP, VSB TP, TPN-II TP In/Out

♦ **Gemstar Board**
- GS501 : Gemstar Processor
- GS502 : AD Converter
- G-Link

♦ **Power Board**
- Input: AC120V/60Hz
- Output
  - Main Board : 9V,5V,3.3V,L_5V,L_33V
  - Front Board : -28V,-24V,-21.5V
  - HDD : 12V, 5V

♦ **HDD [?]**
- 120GB
- Ultra DMA-100

♦ **Front Panel**
- I^2C I/F, Power On/Off
- VFD Display

♦ **Remote Controller**
- Basic TV
- PVR Function

In/out Connector

♦ **Input**
- Antenna In : Terrestrial [F Connector]
- Antenna In : Cable [F Connector]
- CVBS Video/Audio-1 [RCA Jack, 3EA]
- CVBS Video/Audio-1 [RCA Jack, 3EA]

♦ **Output**
- Video Out
  - Component Out : YPbPr [RCA Jack, 3EA]
  - Composite Out : CVB S-1 [RCA Jack, 1EA]
  - S-Video Out [Mini DIN Jack, 1EA]
- Composite Out : CVBS-2 [RCA Jack, 1EA]
- RGB Out : VGA [D-SUB 15-P, 1EA]
- DVI Out
- Audio Out
  - Stereo Out -1 [RCA Jack, 2EA]
  - Stereo Out-2 [RCA Jack, 2EA]
  - SPDIF Out : Photo Link
- Serial Port
- IEEE-1394 Port [1394 2EA]

♦ **G-Link**
- S/W Up-grade
- IR Blaster

Power

♦ **Input**
- AC120V/60Hz

♦ **Output**
- Main Board : 9V,5V,3.3V,L_5V,L_33V
- Front Board : -28V,-24V,-21.5V
- HDD : 12V, 5V

♦ **Power Consumption : 35W**

Board Size

♦ **Main Board Size**
- 213(D) x317(W) with Dummy[Unit : mm]
- 170(D) x317(W) [Unit : mm]

♦ **Gemstar Board Size**
- 130(D) x48(W) [Unit: mm]

♦ **Power Board Size**
- 247(D) x 93(W) [Unit: mm]

♦ **Front Panel Board Size**
- 50(D) x 280(W) [Unit: mm]

Set-Top Box Size

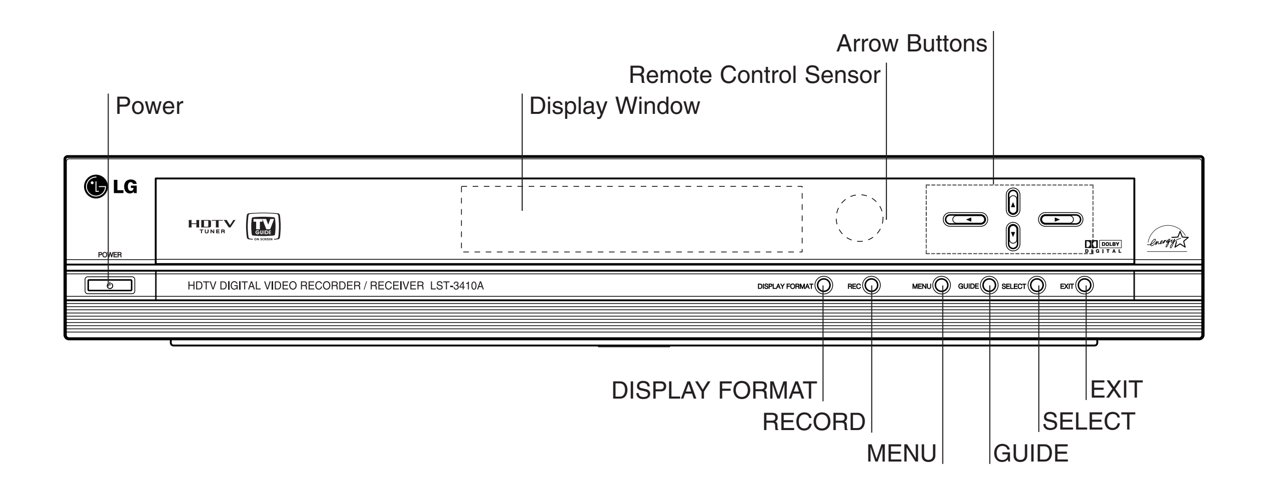
♦ **430(W) x 69(H) x 297(D) [Unit: mm]**

Remote Controller Size

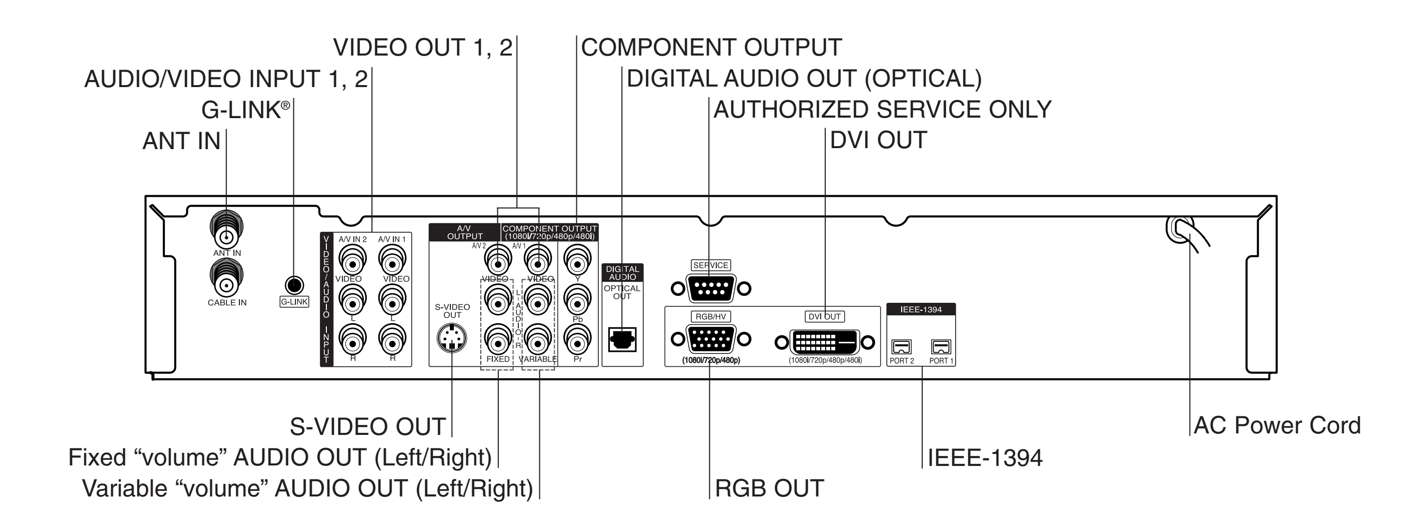
♦ **55(W) x 240(H) x 35(D) [Unit: mm]**

LOCATION OF CUSTOMER CONTROLS

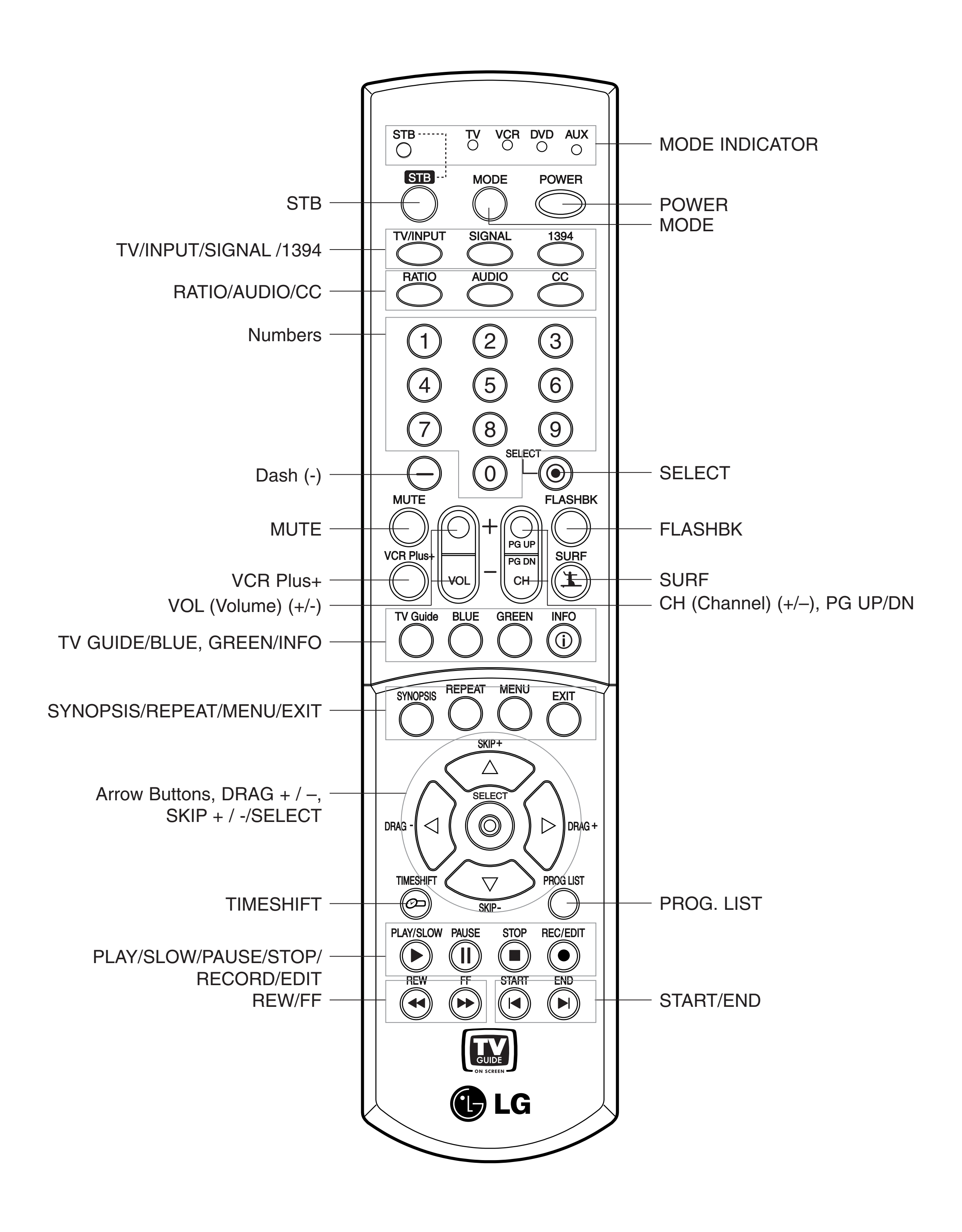
FRONT



REAR



REMOTE CONTROL



SECTION 2

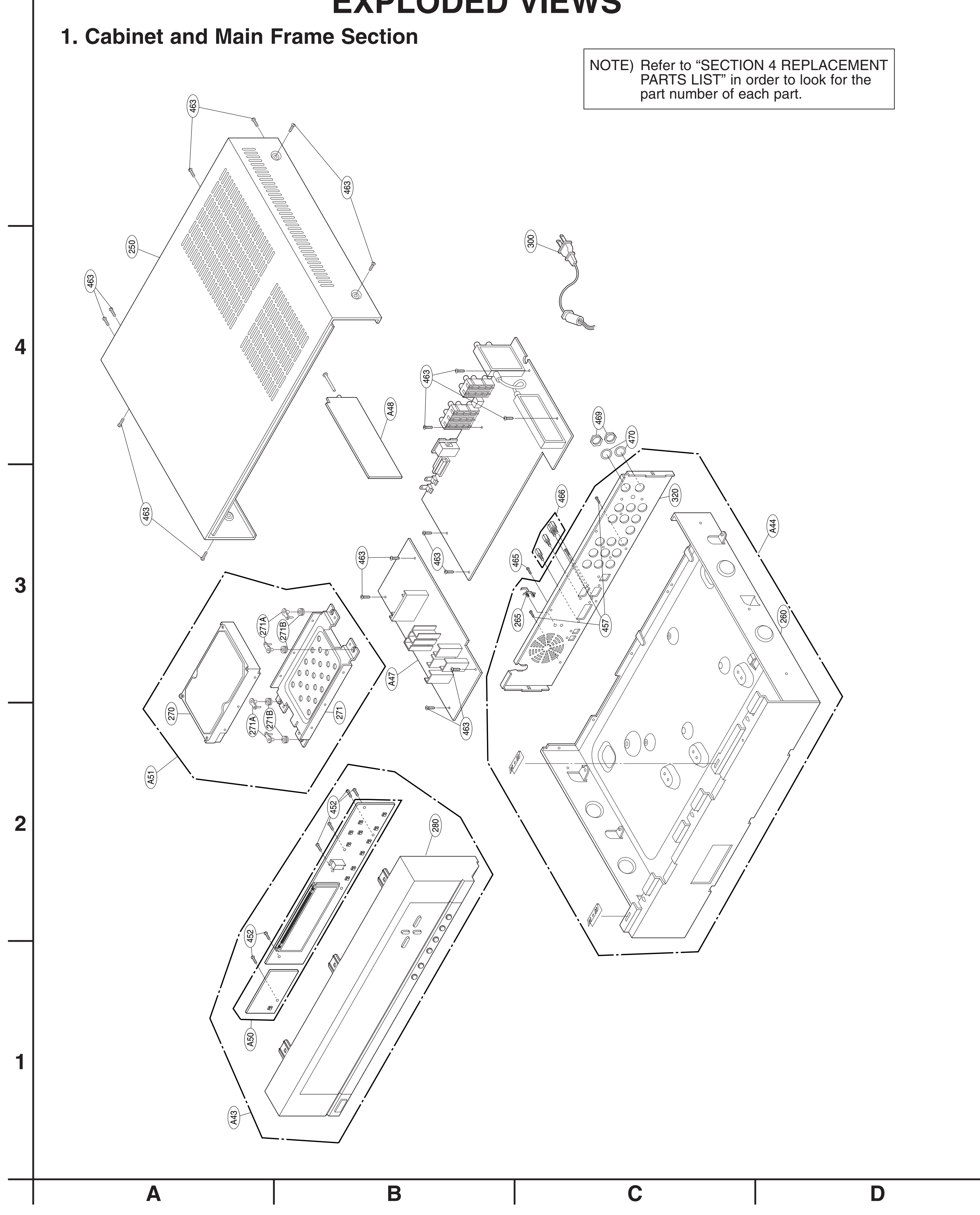
CABINET & MAIN CHASSIS

CONTENTS

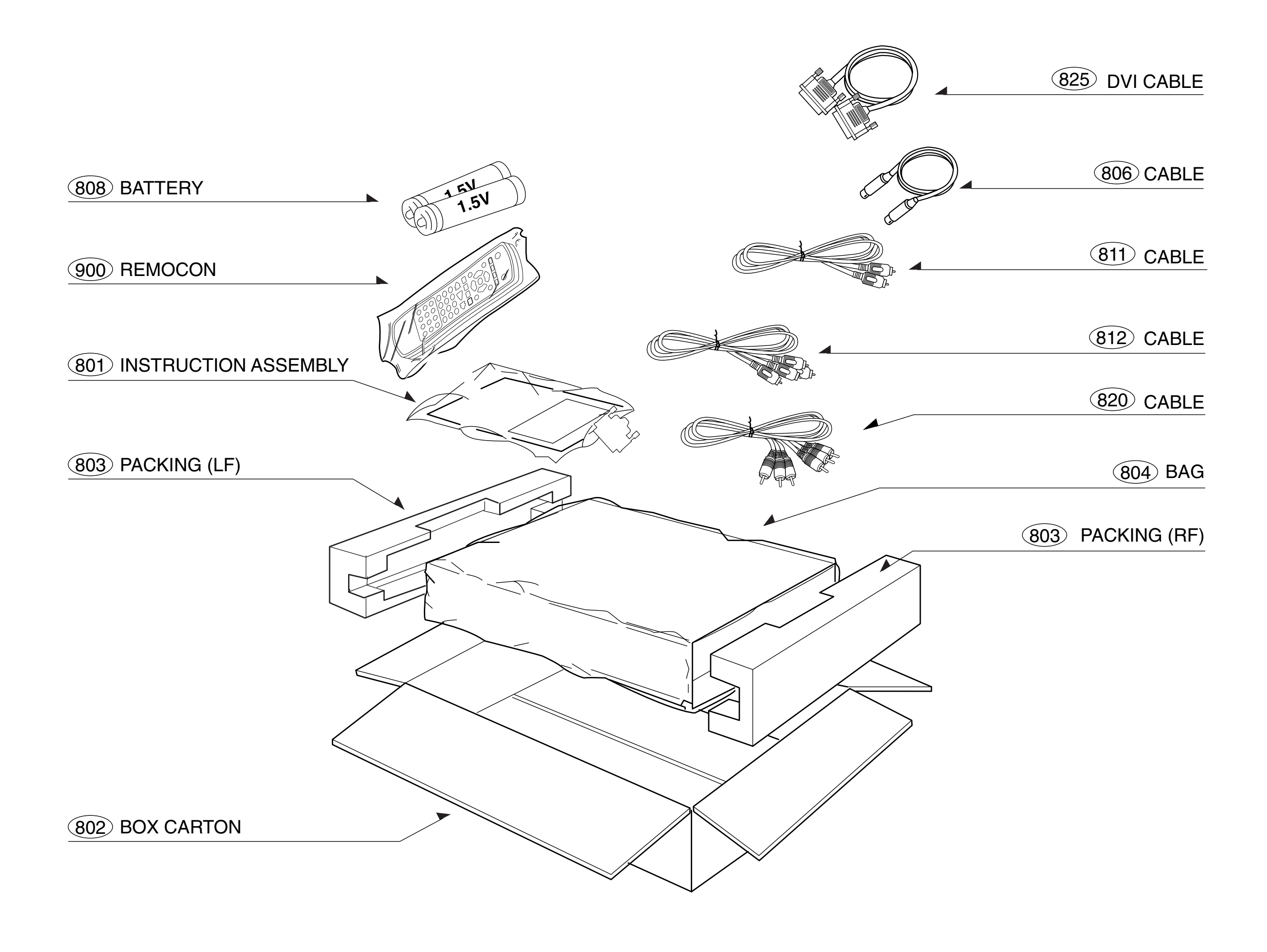
EXPLODED VIEWS

1. Cabinet and Main Frame Section

NOTE) Refer to “SECTION 4 REPLACEMENT PARTS LIST” in order to look for the part number of each part.



2. Packing Accessory Section



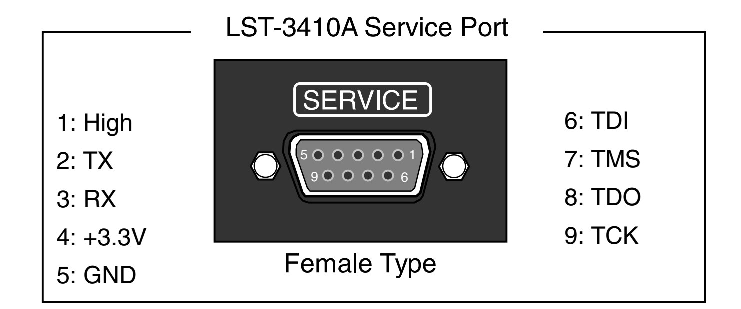
SECTION 3
ELECTRICAL

CONTENTS

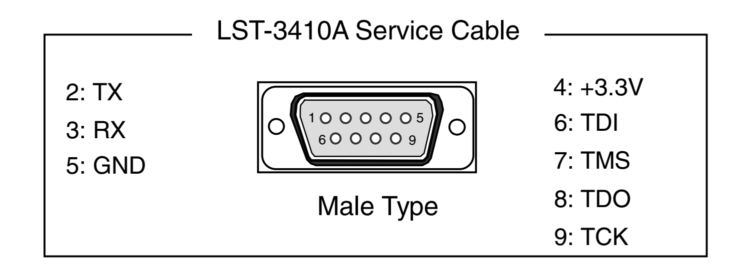
SYSTEM S/W UP-GRADE

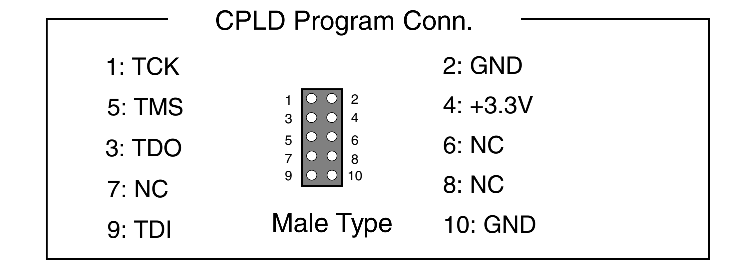
1. UP-GRADE CABLE CONFIGURATION

- LST-3410A Side

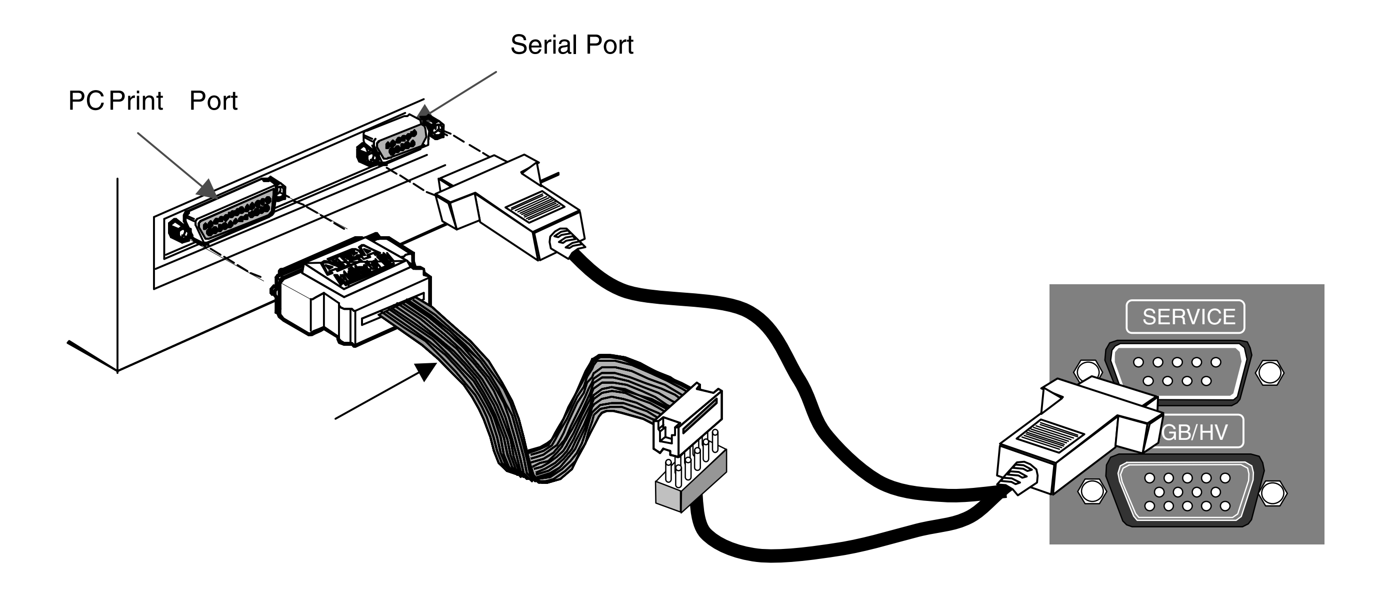


- PC Side

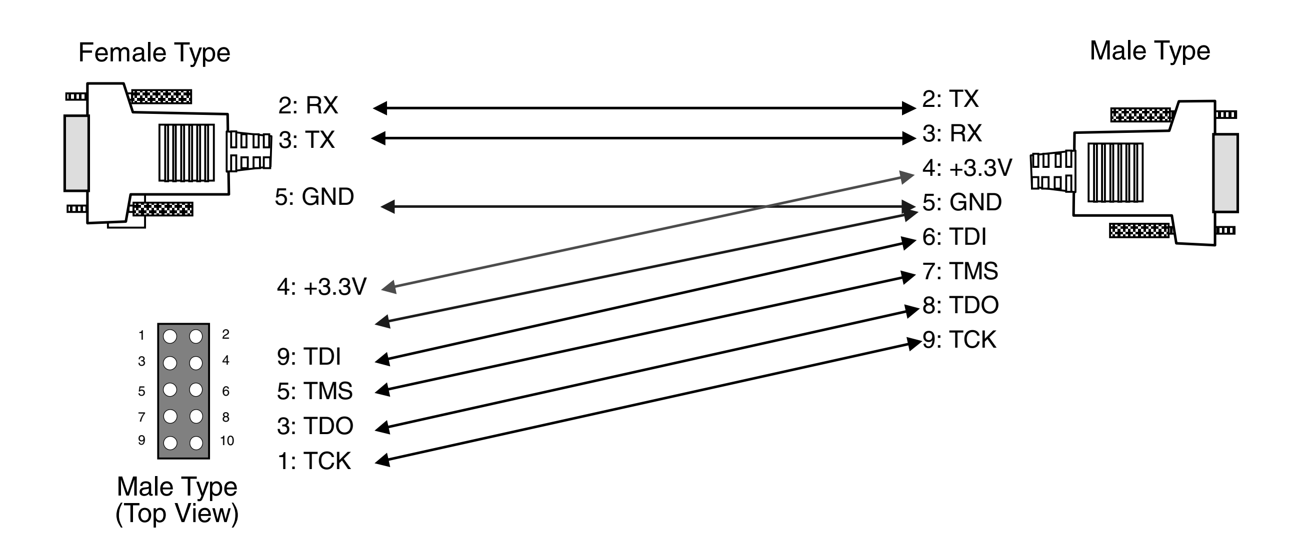




- Up-grade Cable Connection

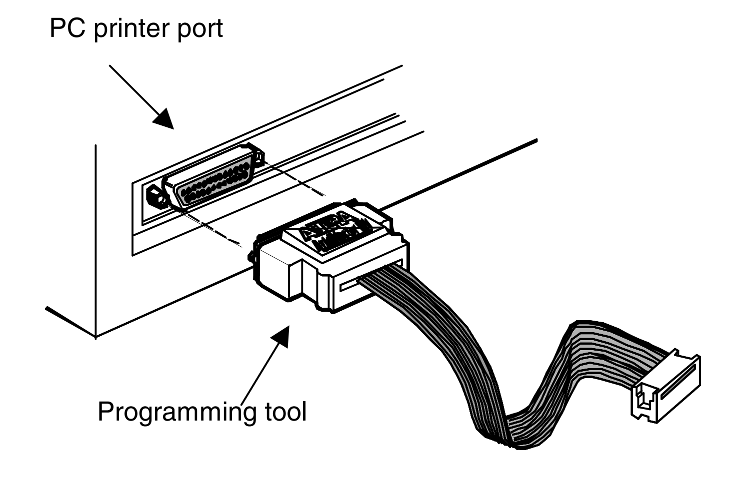


- Up-grade Cable Configuration

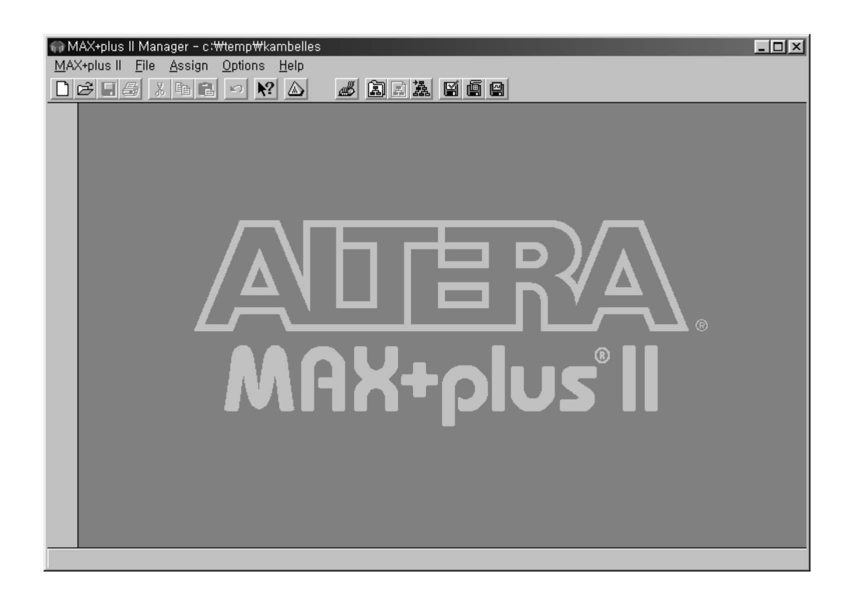


2. CPLD PROGRAM

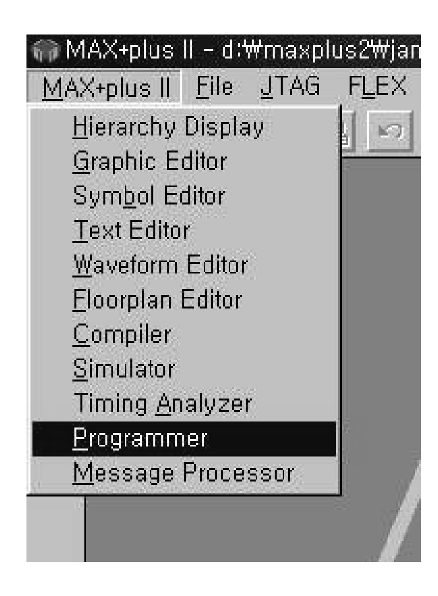
1> Check that the ALTERA Programming hardware is installed.
   * Connect the Byte blaster to the parallel port (printer port) of the PC.



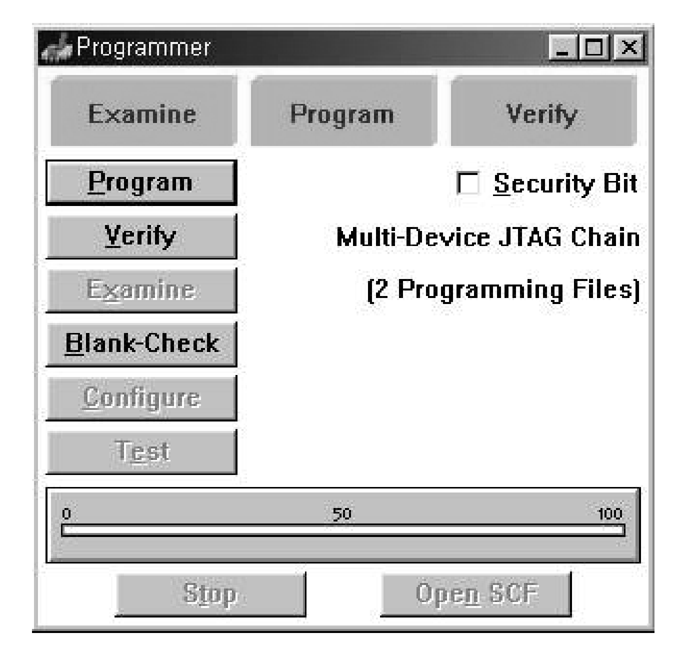
2> Run the ALTERA MAX2PLUS.



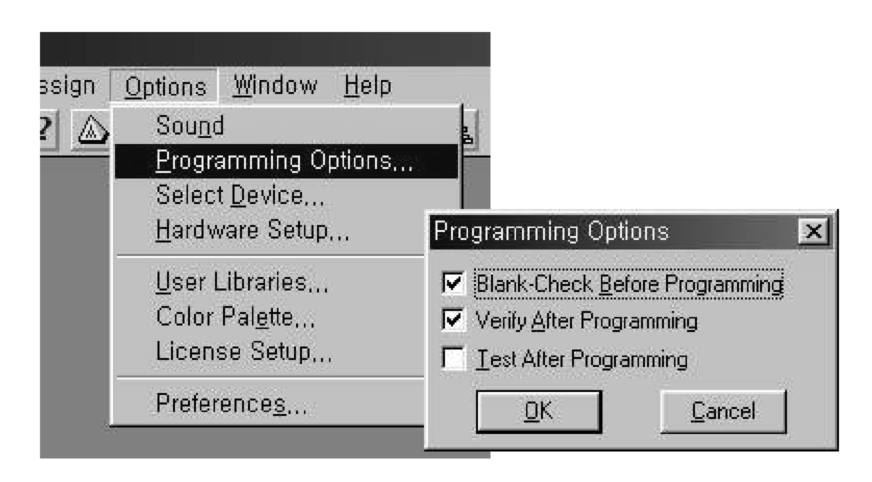
3> Press ‘MAX+plusII’ at the main menu and select ‘programmer.’



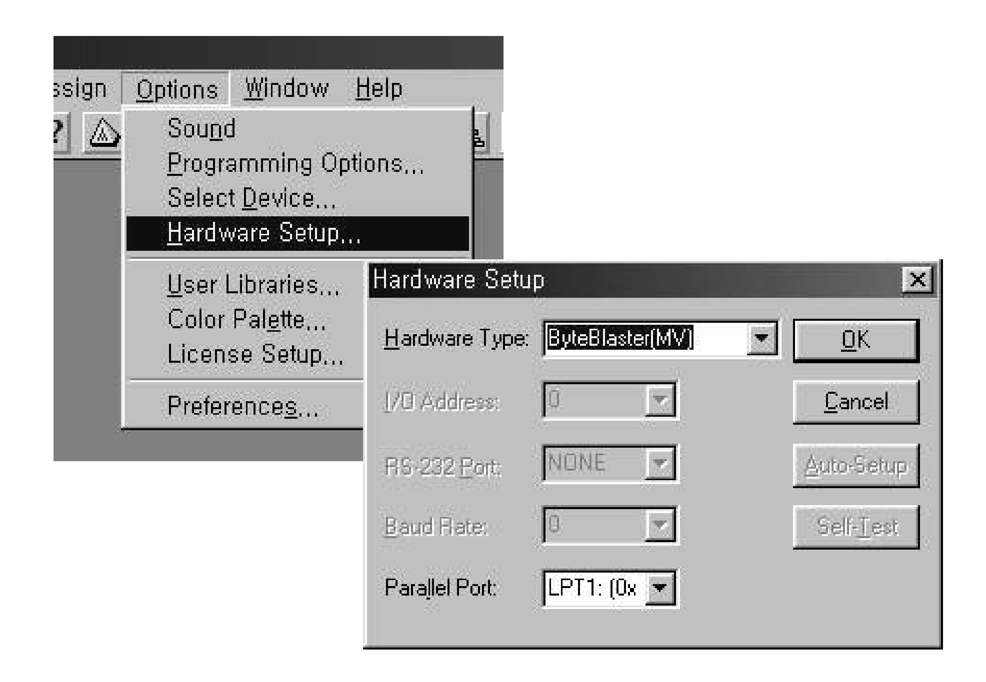
--> If ‘programmer’ is selected, ‘programmer’ window is popped up.



4> Select ‘programming options’ of ‘Options’ menu.
--> Blank-check before Programming
--> Verify after Programming

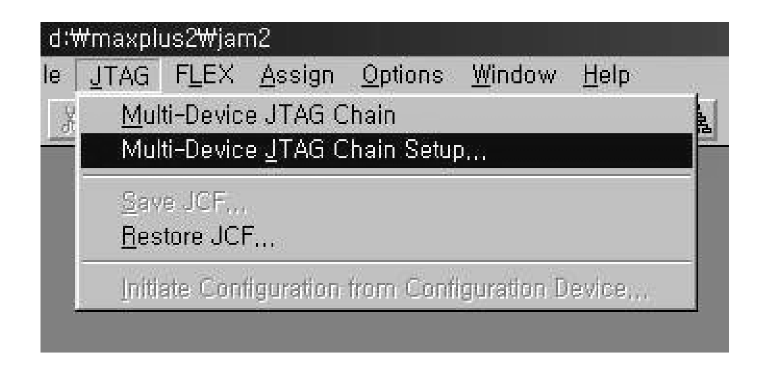


5> Select ‘Hardware setup’ of ‘Options’ menu.
--> programming hardware (ByteBlater)

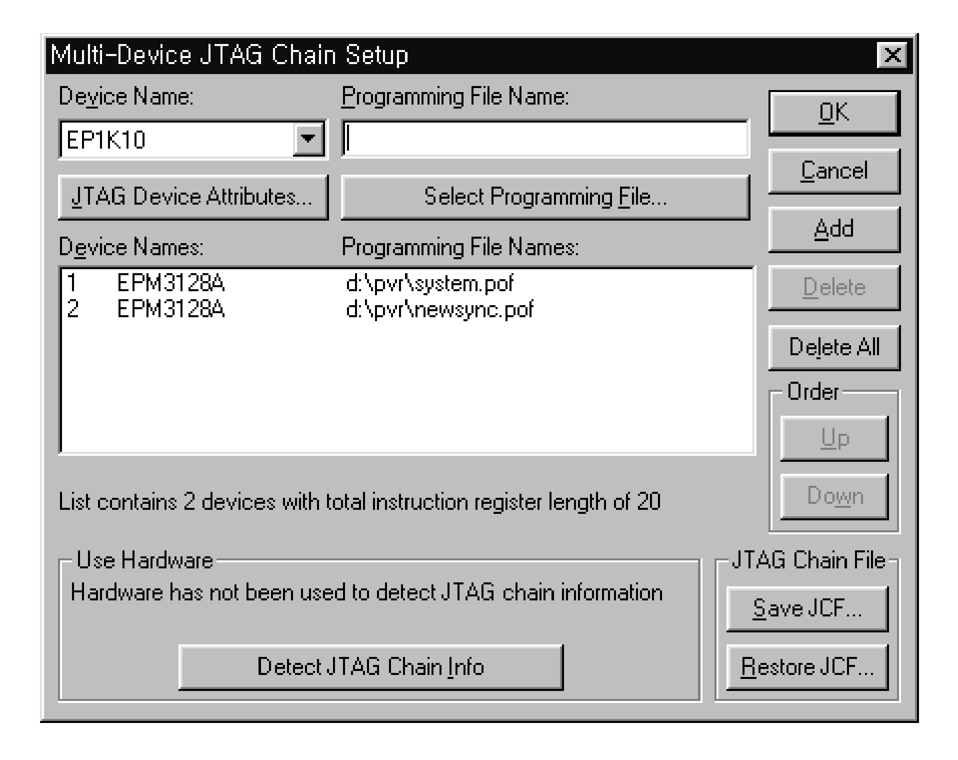


6> Select 'setup' of 'JTAG' menu.

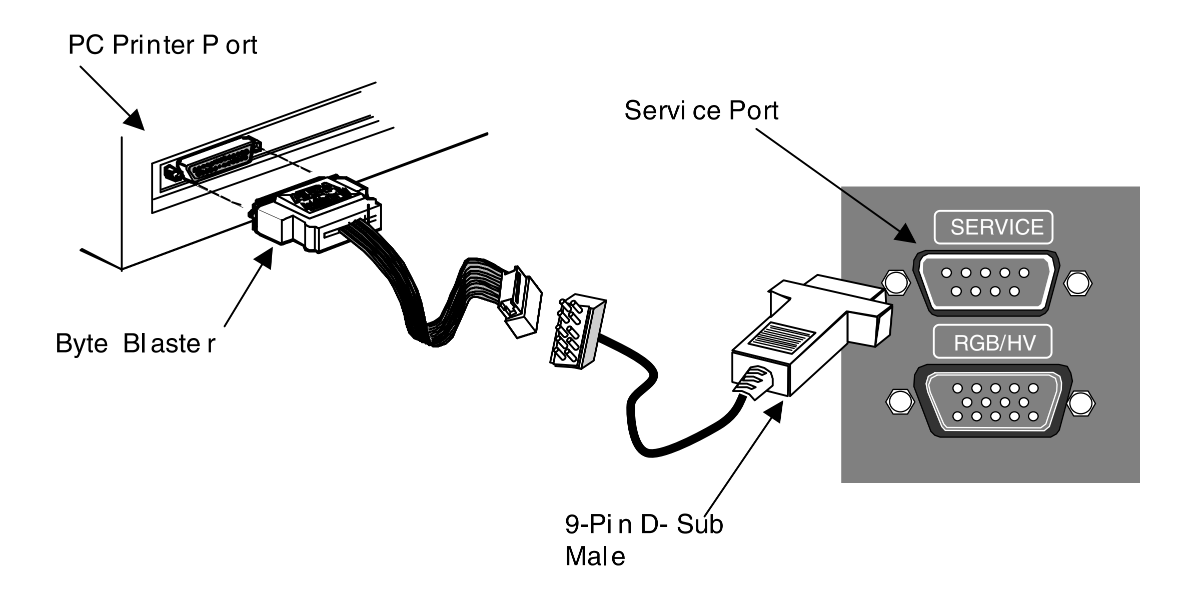
--> Multi-Device JTAC chain setup (select the file to be programmed)



--> Check that the file to be programmed is properly selected.

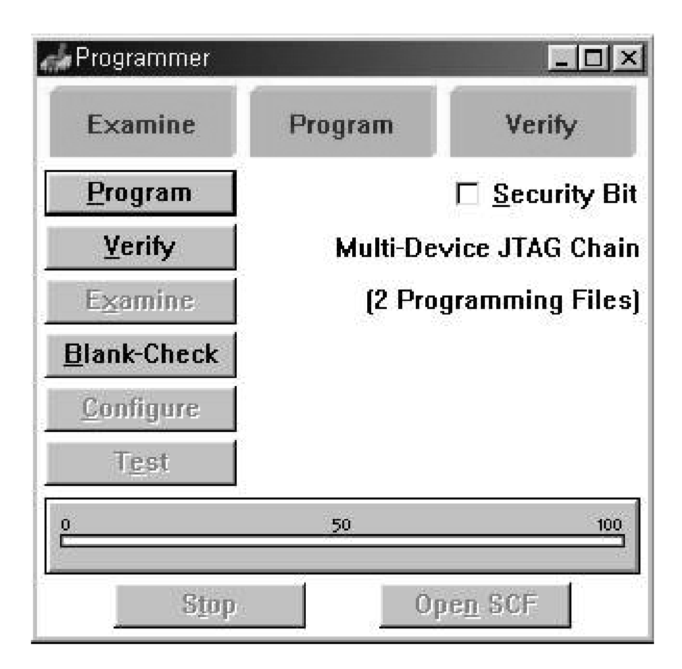


7> The connector of the Byte blaster can be connected to the connector that may be connected to the service port.



8> Turn on the Digital Board.

9> Run the program by pressing ‘Enter’ key.

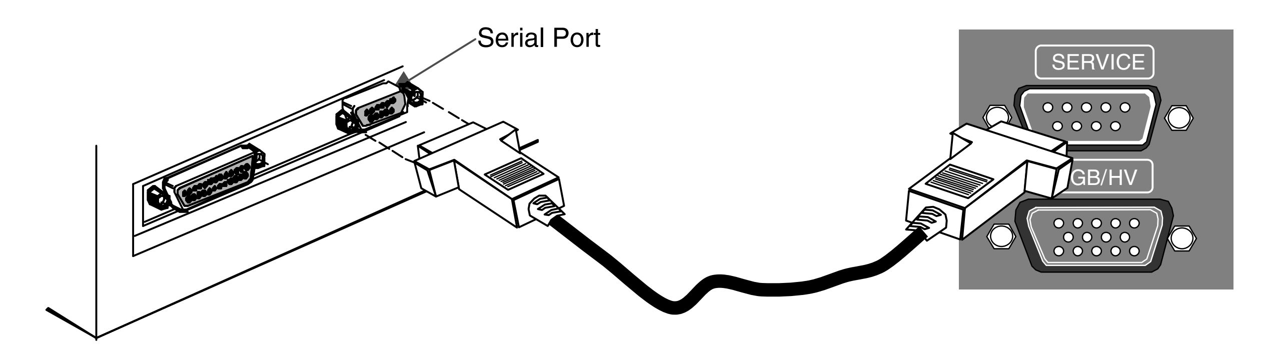


10>. Check that it is properly programmed.
=> When the program is completed, the green LED of the IC105 is turned ON.

11> Turn off the Digital Board.

3. S/W UP-GRADE

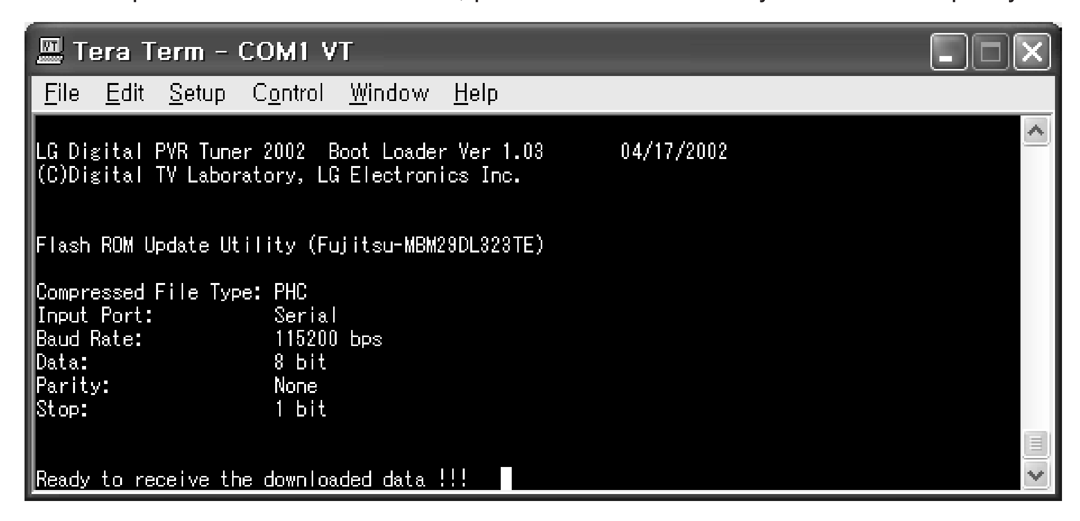
1> Connect the female type of the up-grade cable to the PC serial port and connect the 9-pin male type to the LST-3410A.



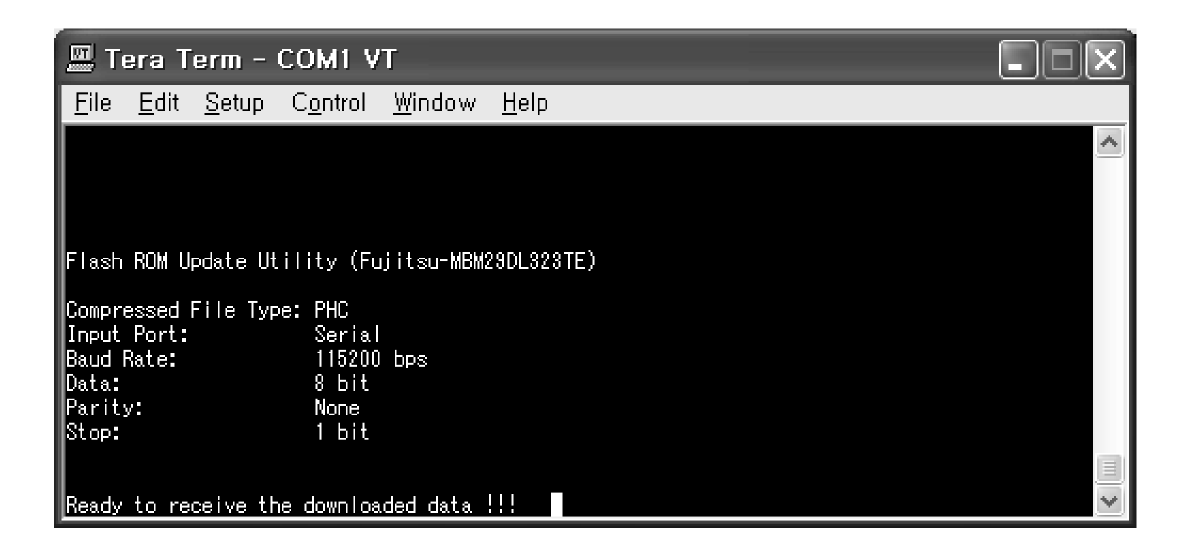
2> Run the Teraterm Program at the PC.



3> With the power of the LST-3410A on, press both ‘SELECT’ key and ‘Volume-up’ key of front keys.



4> When the TeraTerm screen is displayed as shown at the below, select ‘send file’ from ‘File.’



--> Check that the file to be programmed is properly selected.

TEST S/W

1. Test S/W

Preparation for using H/W Test Code stored at the flash memory

At the time of the power up, connect the serial cable to the service port, locate the cursor at the TeraTerm window, and turn on the power of the LST-3410A by pressing “shift”+”D” at the PC keyboard.
Enter “svcLST3410” as the password.
(The password is capital sensitive)

Section possible to check by using H/W Test Code

Initial screen

```
========================================================
ROM TEST Program For PVR-SET (2003/09/26)
========================================================
-------------------- System Info ---------------------
Processor = 405GP, PVR: 40110145
Processor speed = 200 MHz
PLB speed = 100 MHz
OPB speed = 33 MHz
Ext Bus speed = 33 MHz
PCI Bus speed = 33 MHz (Sync)
Amount of SDRAM = 32 MBytes
Internal PCI arbiter enabled
-------------------------------------------------------
******************* TEST MENU******************
1 - System SDRAM Test
2 - HD-II Memory Test
3 - HD-II DMA Test
4 - HD-II Audio Decoder Test
5 - PCF8584-A(TUNER/MICOM/GEMSTAR Test)
6 - CPU I2C(EEPROM/VSB/4450/3226/170B) Test
7 - PCI Device(TPN-II/IDE/KFIR) Test
8 - IDE R/W Test
9 - Video Display Test
A - FLASH Memory Test
B - FLASH Program from Serial port
C - Flash Program from HDD
D - Ethernet Ping Test
E - TI-1394 Test
F - GPIO Test
->
```

The total test is performed by entering “T.”

Screen shot during the test

```
The test is proceeded by entering “T” and pressing ‘Enter’ key.
===========================System Test===========================
System SDRAM Test--------------------------->OK(32MB)
Flash Memory Test Start
.............................................
Flash Memory Test-------------------------------------->OK
HD2 Test--------------------------------------------------->OK
HD2 DMA Test-------------------------------------------->OK
IIC EEPROM Test---------------------------------------->OK
VSB Test -------------------------------------------------->OK
Tuner IIC Test--------------------------------------------->OK
TPN-II & MEMORY Test---------------------------------->OK
IDE Device Test ------------------------------------------>OK
KFIR MPEG ENCODER Device Test---------------->OK
HDD R/W Test------------------------------------------>OK
Video Display Out Test---->>>>>>>>>>>>>>>>>>>>>
TI 1394 Device Test-------------------------------------->OK
I2C GEMSTAR Test-------------------------------------->OK
I2C MSP4450 Audio Test------------------------------->OK
I2C VPX3226 Test--------------------------------------->OK
I2C SIL170 Test------------------------------------------>OK
Front Test------------------------------------------------->OK
```

“START” is displayed at the VFD when entering into the test mode.

Video Display Out Test---->>>>>>>>>>>>>>>>>>>>>
The test pattern is displayed to A/V-1 or A/V-2 at this test.

Front Test--->OK
The whole VDF blinks at this test.

“END” is displayed at the VFD when the test is completed.

Final result display

```
*************************System Test Result**************************

01.System SDRAM Test1>OK
02.Flash Memory Test------------------------------------->OK
03.HD2 Test1--------------------------------------------->OK
04.HD2 DMA Test------------------------------------------>OK
05.I2C EEPROM Test--------------------------------------->OK
06.VSB Test---------------------------------------------->OK
07.I2C Tuner Test---------------------------------------->OK
08.TPN-II & MEMORY Test---------------------------------->OK
09.IDE Device Test--------------------------------------->OK
10.KFIR MPEG ENCODER Device Test------------->OK
11.HDD Read/Write Test------------------------------>OK
12.TI 1394 Device Test------------------------------>OK
13.I2C GEMSTAR Test--------------------------------->OK
14.I2C MSP4450 Audio Test-------------------------->OK
15.I2C VPX3226 Test--------------------------------->OK
16.I2C SIL170 Test---------------------------------->OK
17.Front Test--------------------------------------->OK

*********************************************************************
```

“Error” is displayed for any error.

At this time, concentrating on the section with the error can make the problem found easily.
How to troubleshoot each error can be concretely shown at the following section.

At the above test, the test status is sent to the PC serial port by connecting the probe ROM via the jig.

2. Diagnostic S/W

Diagnostic mode is the self test mode for testing the LST-3410A simply at the field by a service person.

Diagnostic mode can be entered by pressing both ‘Volume down’ key and ‘SELECT’ key of the front panel.

When Diagnostic mode is entered, the video output is fixed at the video(480i) mode.
Except the Resolution Test mode, all test modes are fixed at the video(480i) mode.

Moving is done by arrow keys and selecting by ‘select’ key within the Diagnostic mode.
Pressing ‘0’ of the remote controller at each test mode exits the test.

Pressing “TV GUIDE” of the remote controller exits from the Gemstar Test mode.

Selecting “EXIT” from the Diagnostic main Menu exits from the Diagnostic mode.

Most of test statuses are displayed at the VFD. “:TS” is displayed at the end on the VFD for differentiating the Diagnostic mode from the general mode.

1) Diagnostic Mode Menu configuration

Model : LST-3410A
Version : 0.0.9
Date : hh:mm mm/dd/yyyy

Diagnostic Menu

1. VFD Test
2. Front-Key Test
3. DTV Out/Resolution Test
4. Audio Test
5. Ext A/V In Test
6. 1394 Test
7. Gemstar Test
8. Test Data Set/Erase
9. FMODE Set Init

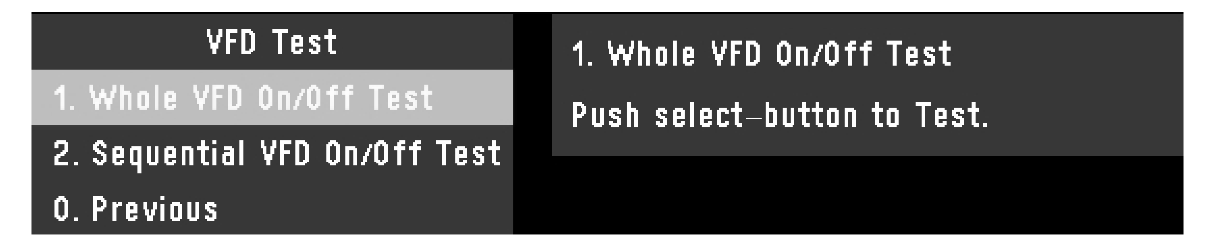
Start “Select” key

Move “Arrow” key

EXIT “0” key

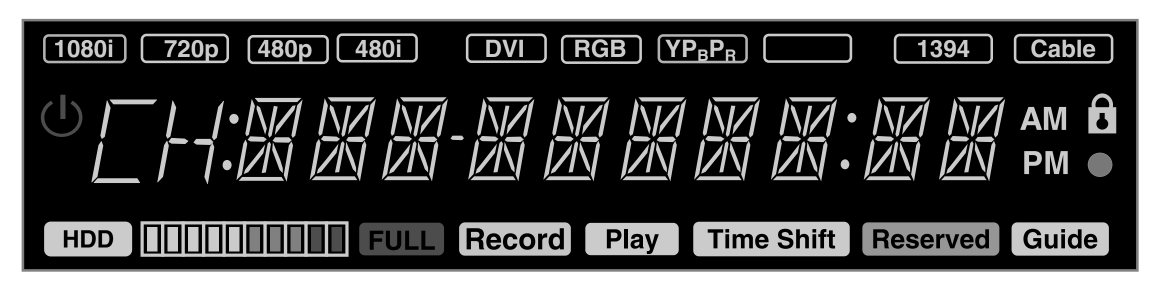
Exit from Diagnostic Mode ”EXIT” key

2) VFD Test



< Fig 1 > VFD Test Menu

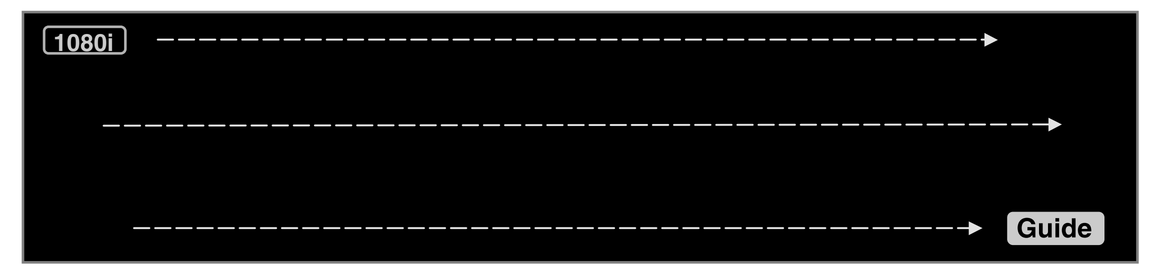
1) Whole VFD On/Off Test turns on/off the whole VFD of the front display.



< Fig 2 > Whole VFD On

Turn on and off with one second of interval until this test is ended by pressing "0" of the remote controller.

2) Sequential VFD On/Off Test sequentially turns on all segments from the top right (1080I), and when all of them are turned on, the VFD blinks.



< Fig 3 > VFD Sequential On

Each test starts by pressing 'Select' button at the highlighted menu of the test menu.
When all tests are completed or you want to exit it abnormally, pressing "0" of the remote controller exits the key test menu of the front section and proceeds to the higher menu.

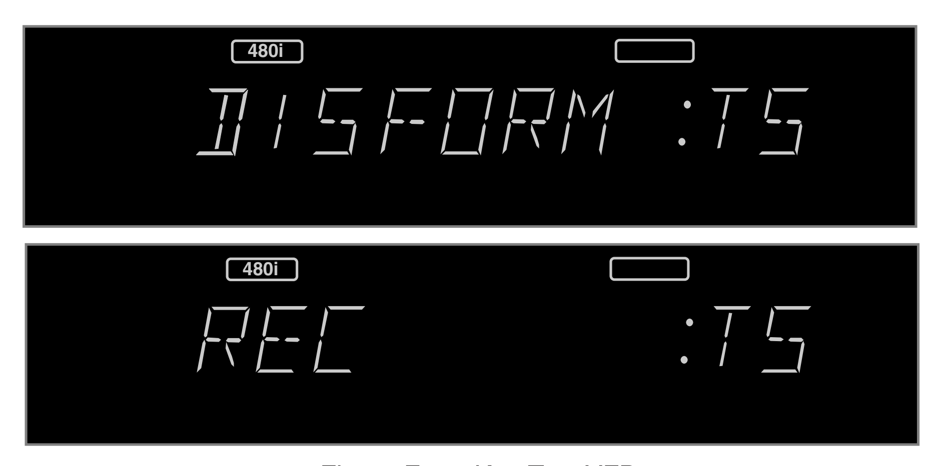
3) Front Key Test

1) Pressing a key displays the related function at the VFD.
Check that the related key displayed at the VFD is properly pressed by pressing all keys sequentially.



< Fig4 > Front Key Test Menu

Ex) Pressing 'DISPLAY FORMAT' key displays "DISPLAY FORMAT" at the VFD.
Pressing 'REC' key displays "REC" at the VFD.
'Power' key is excluded from the test.



< Fig5 > Front Key Test VFD

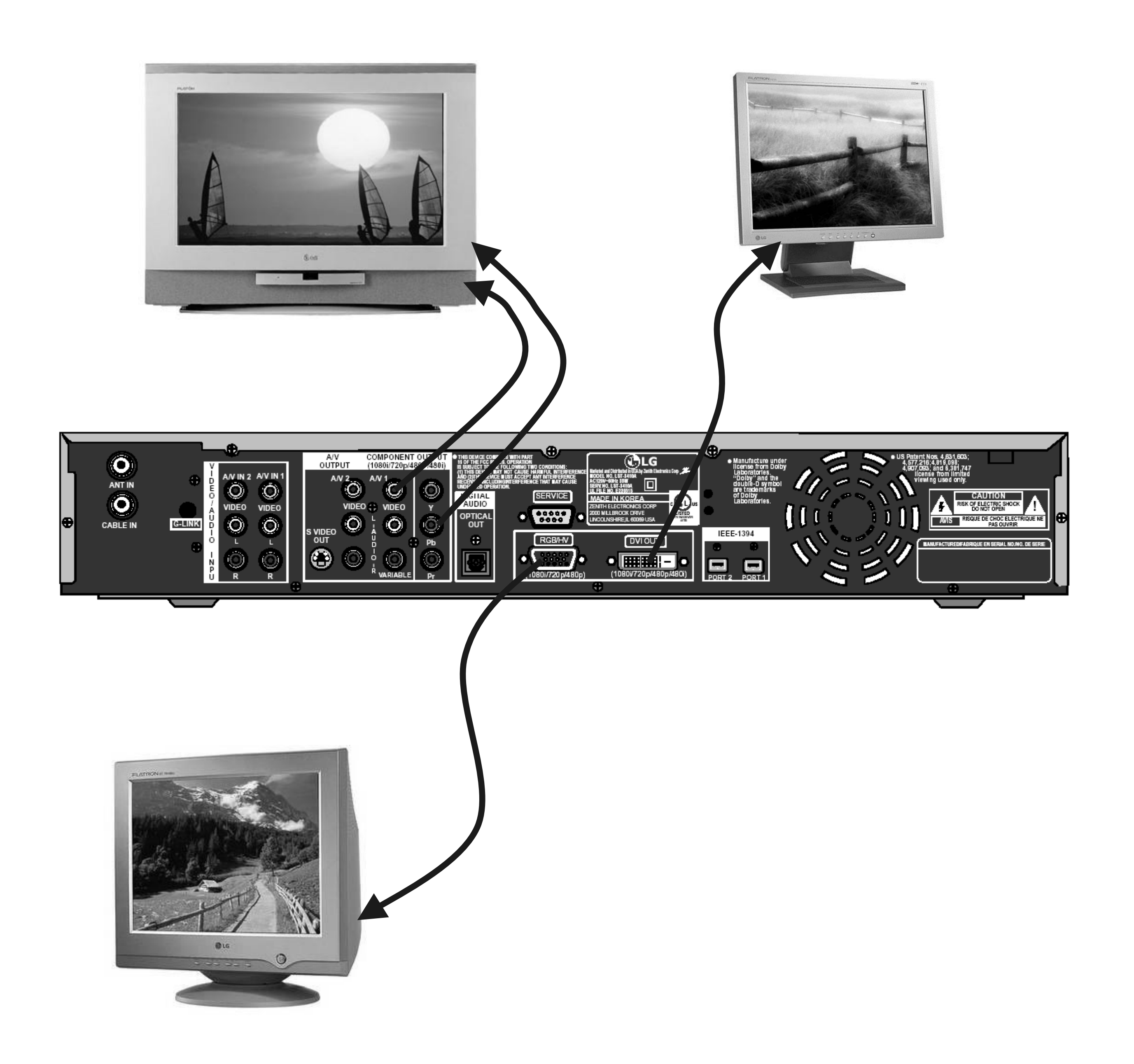
When all tests are completed or you want to exit it abnormally, pressing "0" of the remote controller exits the key test menu of the front section and proceeds to the higher menu.

4) Resolution Test

The resolution is displayed as shown at the below, and when the initial menu is disappeared, you can change the resolution by selecting the resolution list.
If you select ‘RGB,’ the menu can be displayed at the RGB monitor only, and ‘YPbPr’ at the TV supporting the YPbPr only. If you connect the output terminal to the TV or monitor not suitable for the resolution, nothing will be displayed.

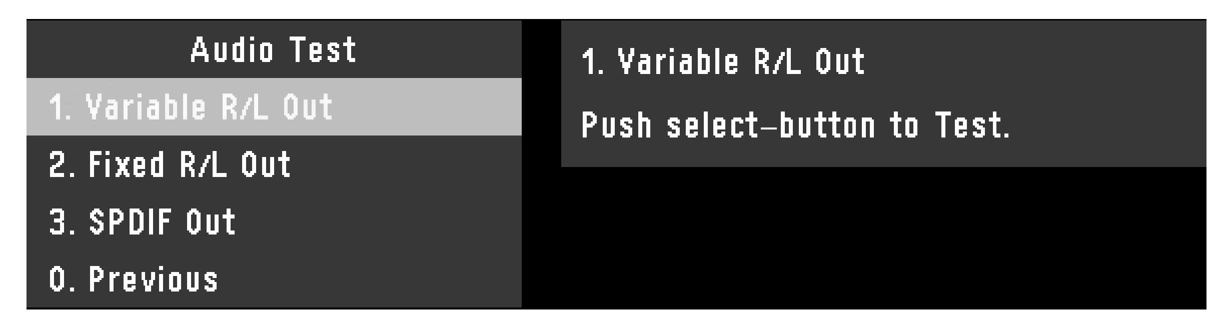


< Fig6 > Resolution Test Menu


ANT IN
CABLE IN
G-LINK
VIDEO/AUDIO INPUT
A/V IN 2
A/V IN 1
VIDEO
L
R
A/V OUTPUT
COMPONENT OUTPUT
A/V 2
A/V 1
S VIDEO OUT
VARIABLE
Y
Pb
Pr
DIGITAL AUDIO
OPTICAL OUT
SERVICE
LG
MADE IN KOREA
ZENITH ELECTRONICS CORP
2000 MILLBROOK DRIVE
LINCOLNSHIRE,IL 60069 USA
RGB/HV
(1080i/720p/480p)
DVI OUT
(1080i/720p/480p/480i)
IEEE-1394
PORT 2
PORT 1
Manufacture under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
AVIS
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

5) Audio Test

The resolution is displayed as shown at the below, and when the initial menu is disappeared, you can change the resolution by selecting the resolution list.
If you select ‘RGB,’ the menu can be displayed at the RGB monitor only, and ‘YPbPr’ at the TV supporting the YPbPr only. If you connect the output terminal to the TV or monitor not suitable for the resolution, nothing will be displayed.



< Fig7 > Resolution Test Menu

Other Audio outputs (Fixed, SPDIF) are muted at the time of Variable Audio output test.
Other Audio outputs (Variable, SPDIF) are muted at the time of Fixed Audio output test.
Other Audio outputs (Fixed, Variable) are muted at the time of SPDIF Audio output test.
Audio Volume Up/Down is operated by the Volume Up/Down key of the remote controller.

A broadcasting signal entered at the ANT or the data stored at the HDD can be used as the audio source.

6) External Audio/Video Input Test



< Fig8 > External Audio/Video Input Test

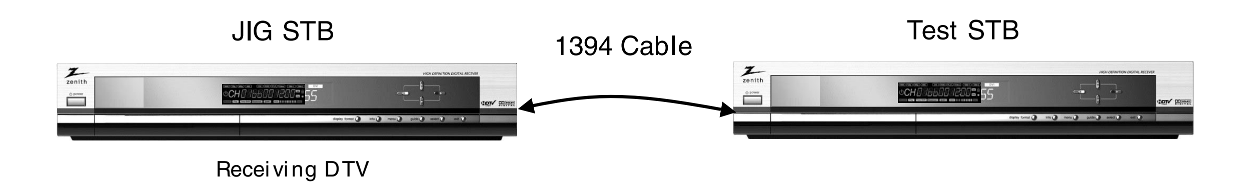
The test should be done by connecting with the audio/video external input.
You should use the line level stereo as an audio source and the NTSC signal as an video source.

7) 1394 Test



< Fig9 > 1394 Test Menu

Set the Jig STB to the DTV channel possible to be separated for the test.
You can not perform this test with 1394 Device(D-VHS, MV Camcorder) connected.
At this time, the test can be done only if each STB has its own 1394 ID(DTCP).



< Fig10 > 1394 Test Configuration

8) Gemstar Test



< Fig11 > Gemstar Test Menu

Diagram for testing

Monitor for checking test mode

RF Output

NTSC Modulator

VBI Inserter(Norpak)

Video(CVBS) Generator

VCR
(Gemstar Factory
Play the tape for Loop)

Gemstar Glink-to-PC
Board

Connecting PC RS232C
(We recommend COM1)

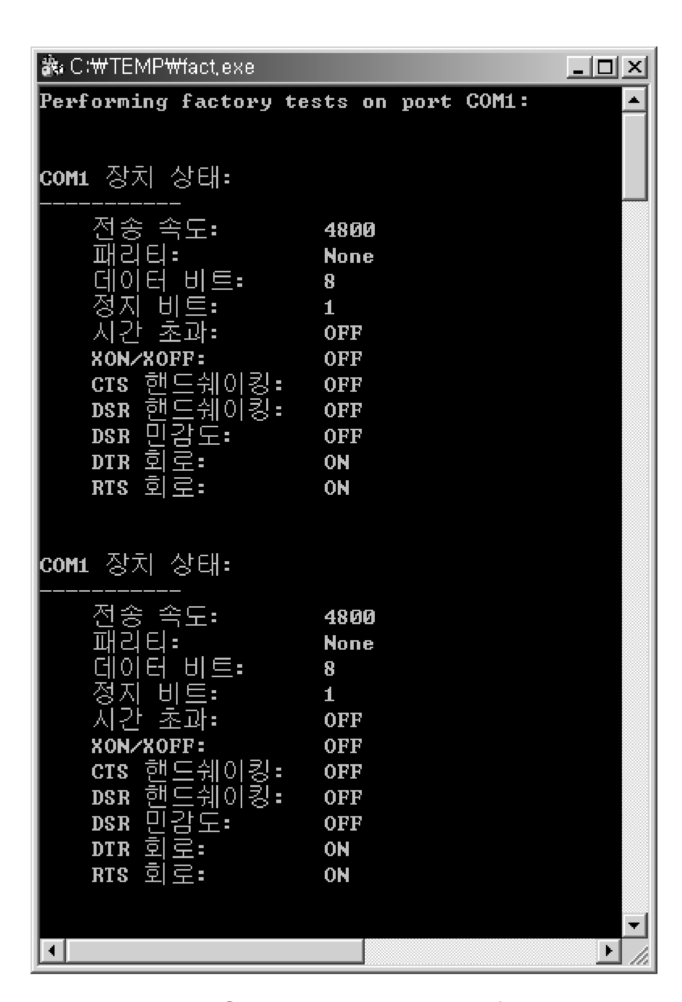
Serial port for
System Debug
(We recommend

< Fig12 > Gemstar Test Configuration

Setup for the initial environment
1. Connect with the same method as the previous ‘Gemstar Test Configuration connection method’.
2. Copy ‘fact.exe’ to the appropriate location of the PC for testing Glink and IR.

Test method
1. Set Factory Test to ‘ON’ and Duplex to ‘Full’ of the DIP switch on the Gemstar Glink-to-PC Board.
2. Connect the RF signal containing Gemstar UPG Data to ANT IN of LST-3410A or play the VCR containing the tape for loop and connect its RF output to ANT IN of LST-3410A.
3. Tune LST-3410A to the channel with the RF signal containing Gemstar Data.
4. Execute ‘fact.exe’ at the DOS prompt for testing Glink and IR, or double click it at the Windows. Then, the program will be executed for testing Glink and IR at the COM1 port of the PC.

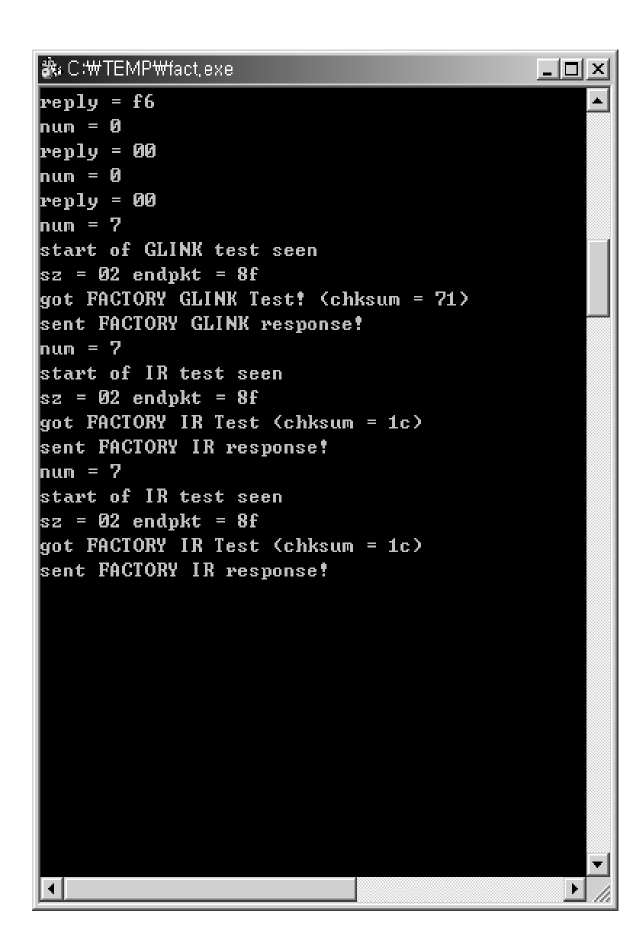
This will be continued until the COM1 window is closed by executing it once only.



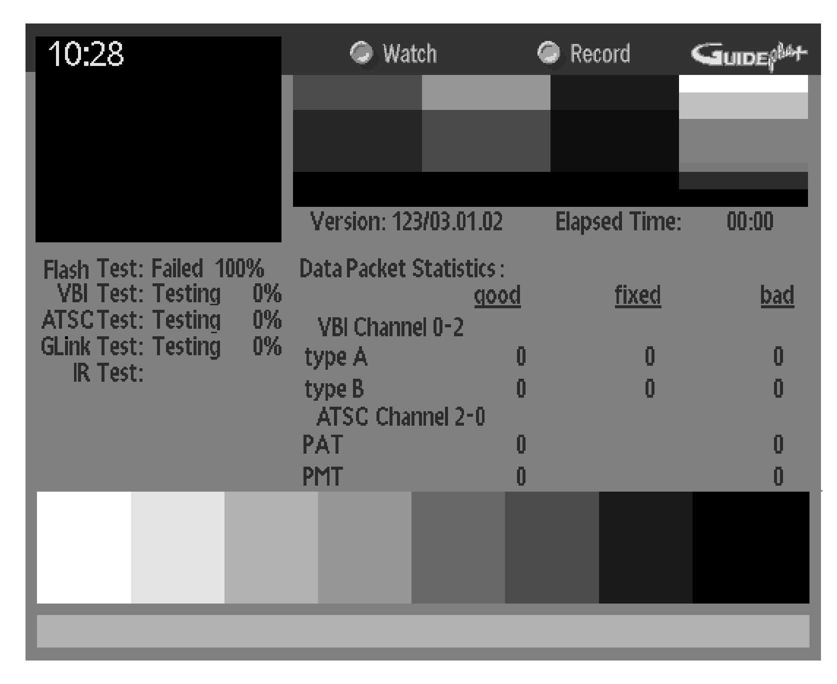
< Fig13 > Screen shot executing fact.exe

5. With the above step 4 executed, enter into the Gemstar Factory Test Mode by one of the following two methods.

Press the hot key (it will be supported later) of LST-3410A for entering into Gemstar Factory Test Mode.



< Fig14 > Screen shot for testing Glink and IR

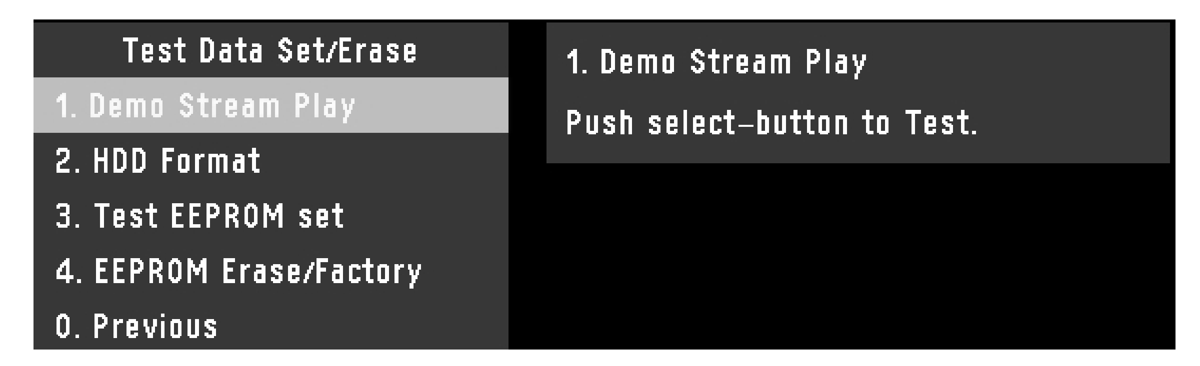


< Fig15 > Screen shot for testing Glink and IR

6. Sometimes, even though the Gemstar board is normal, the test gets failed. So, if failed for 4 items (Flash Test, VBI Test, Glink Test, IR Test) to test, you may determine it normal when getting ‘pass’ by performing the test once more.

Press ‘TV GUIDE’ of the remote controller to exit from Gemstar Test Mode.

9) Factory Data Set/Erase



< Fig16 > Factory Data Set/Erase Menu

- Demo Stream Play
  It plays the demo stream stored at the HDD.

- HDD Format
  It deletes all stored streams for the test and unnecessary files.
  Do not delete the demo stream at the time of the HDD format.

- Test EEPROM set
  In order to reduce the test time, set channel map, favorite channel, and time information suitable for the test environment.

- EEPROM Erase/Factory set
  It deletes channel map, favorite channel, time information and so on stored at the EEPROM for the test and set the EEPROM to the North America type.
  Time setting ?

10) Factory Set/Init



< Fig17 > Factory Set/init

- This mode performs the factory setting for HDD, EEPROM, Gemstar Board, and so on at the time of the final shipment.

- The final shipment setting is as follows:
  1) Delete the HDD area, but not the demo data
  2) Set the EEPROM to the following values.
     --> Channel Map => clear
     --> Favorite Channel => clear
     --> Volume => 100
     --> Last Channel => TV-2

  3) Initialize Gemstar => Initialize the Gemstar Board.

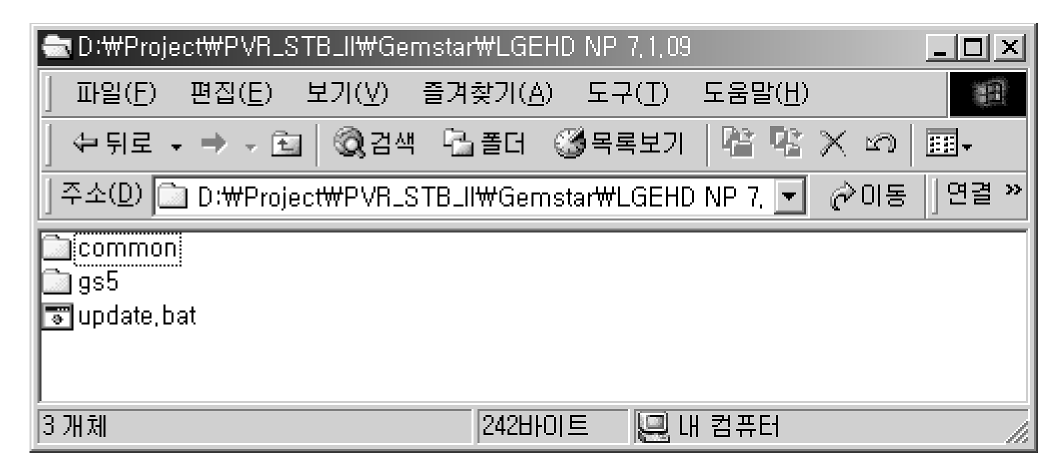
GEMSTAR UP-GRADE

How to upgrade the Gemstar by G-Link

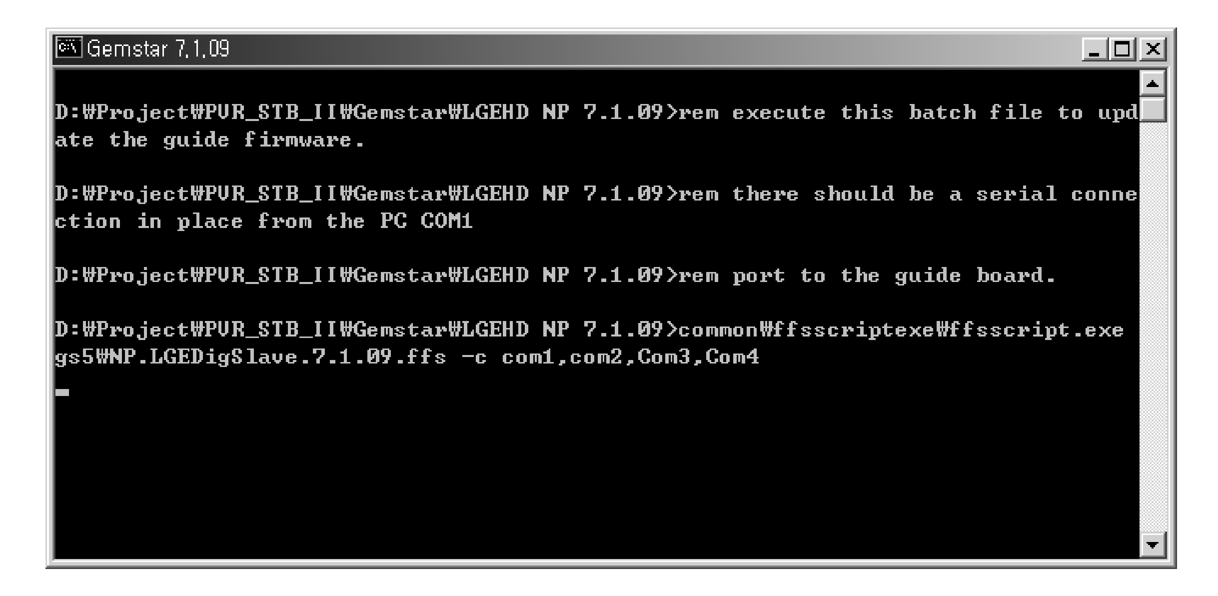
* Note
Upgrading the Gemstar by G-Link should have the boot ROM at the flash ROM of the Gemstar board.
So, if there is no data at the flash ROM, this method is not possible, but possible for upgrading only.

1) Connect the G-Link cable to the G-Link connector of the Gemstar board.
   Set the DIP switch of the Gemstar Glink-to-PC Board: Factory Test to 'Off' and Duplex to 'Full.'

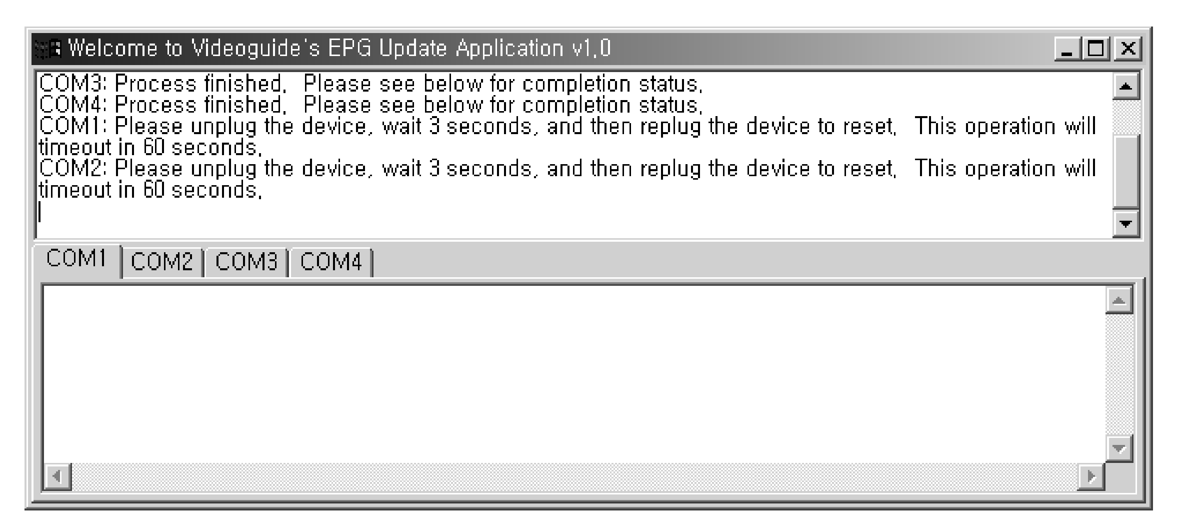
2) Decompress data(LGEHD NP 7.1.xx.zip) for Gemstar Flash Upgrade and execute update.bat of the folder(\LGEHD NP 7.1.xx) created at this time,



3) When you execute the above step 2, the following DOS window will be popped up.

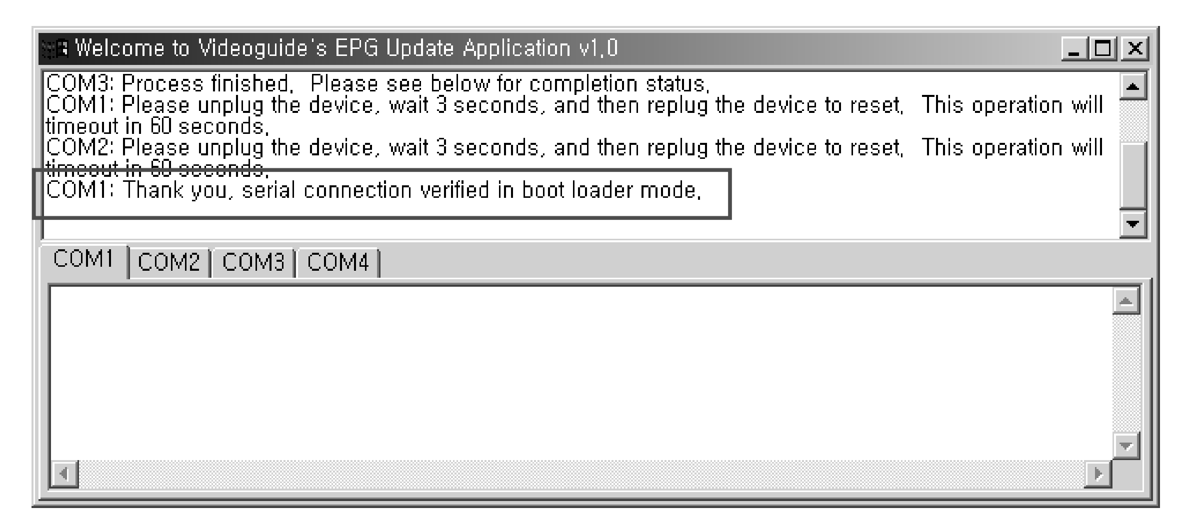


4) After the DOS window of the step 3 is popped up, the following window will be popped up.

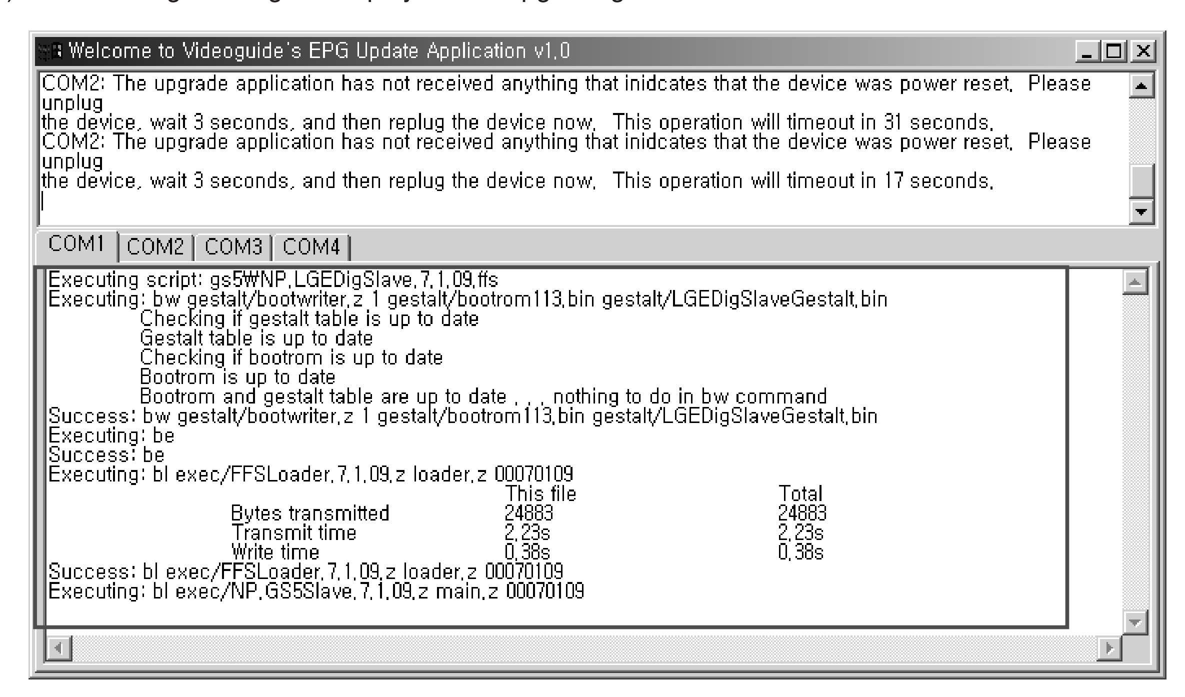


5) After the window of the step 4, apply the power to the Gemstar board. Because the live power is applied at the SET state, if the Gemstar board is built in, disconnect the plug and plug it after 3 seconds, but if not, plug the Gemstar board to the set and connect the power plug.

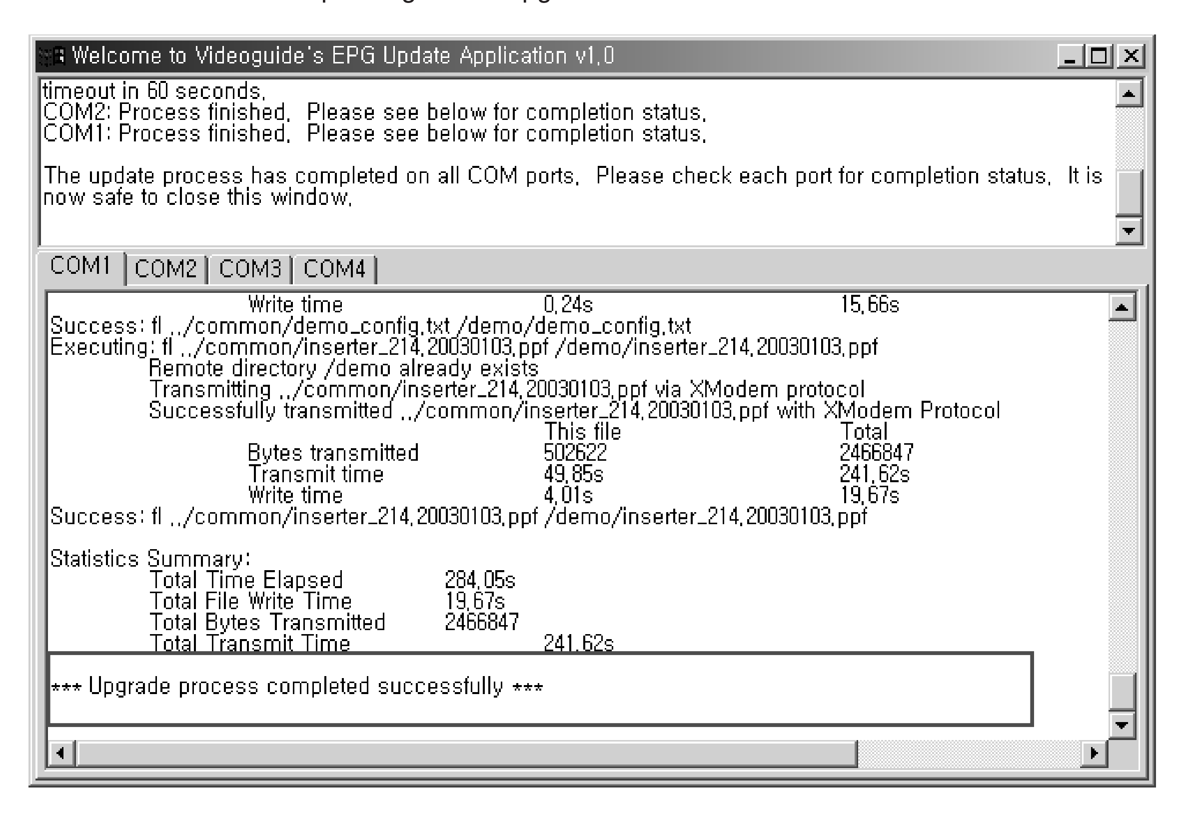
6) If the power is applied, the following message is displayed and it starts to upgrade the Gemstar.



7) The following message is displayed and upgrading continues.

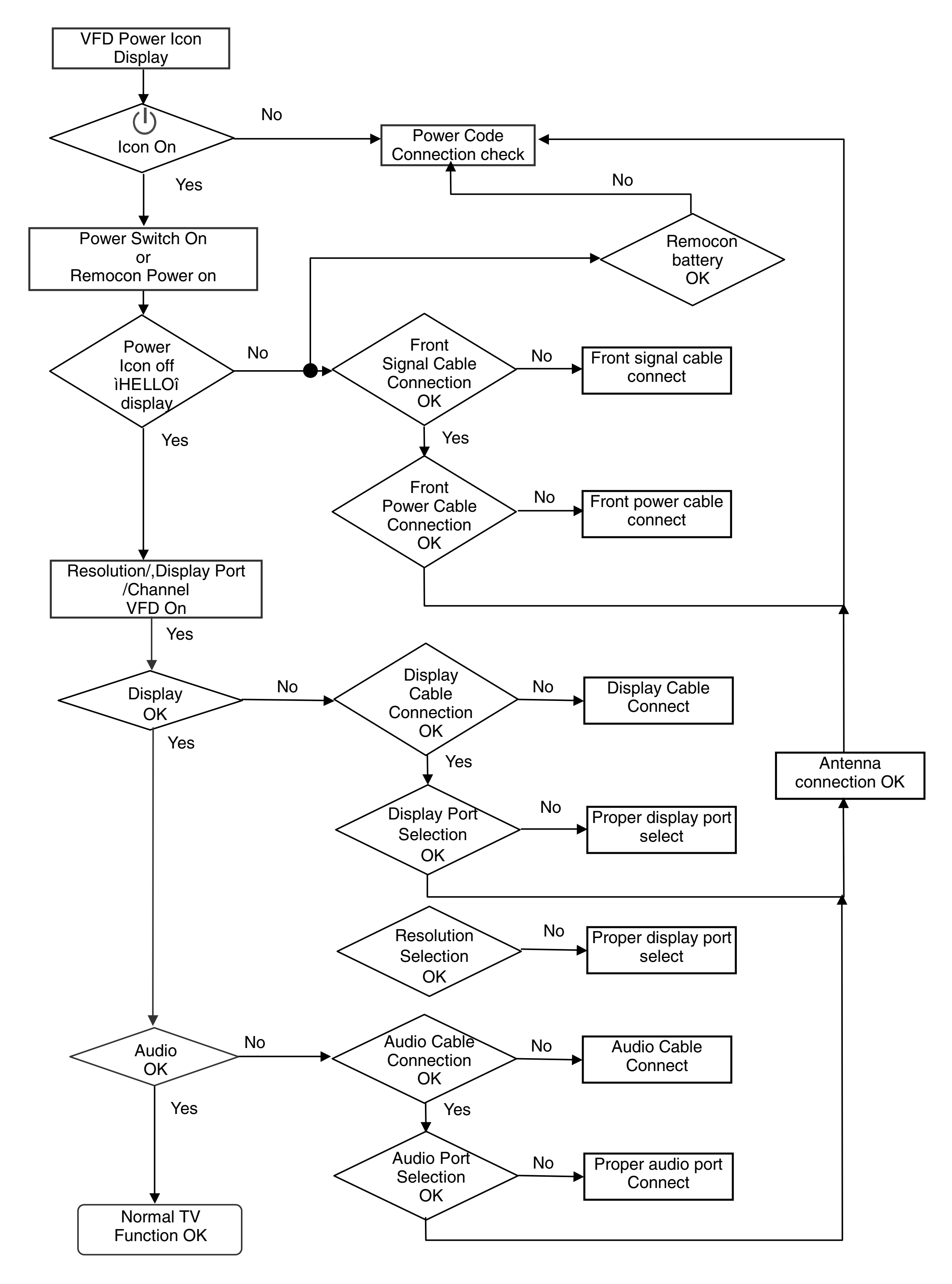


8) When upgrading is completed, the following is displayed and all steps are finished. Upgrading takes about 6 minutes even it varies depending on the upgraded flash.

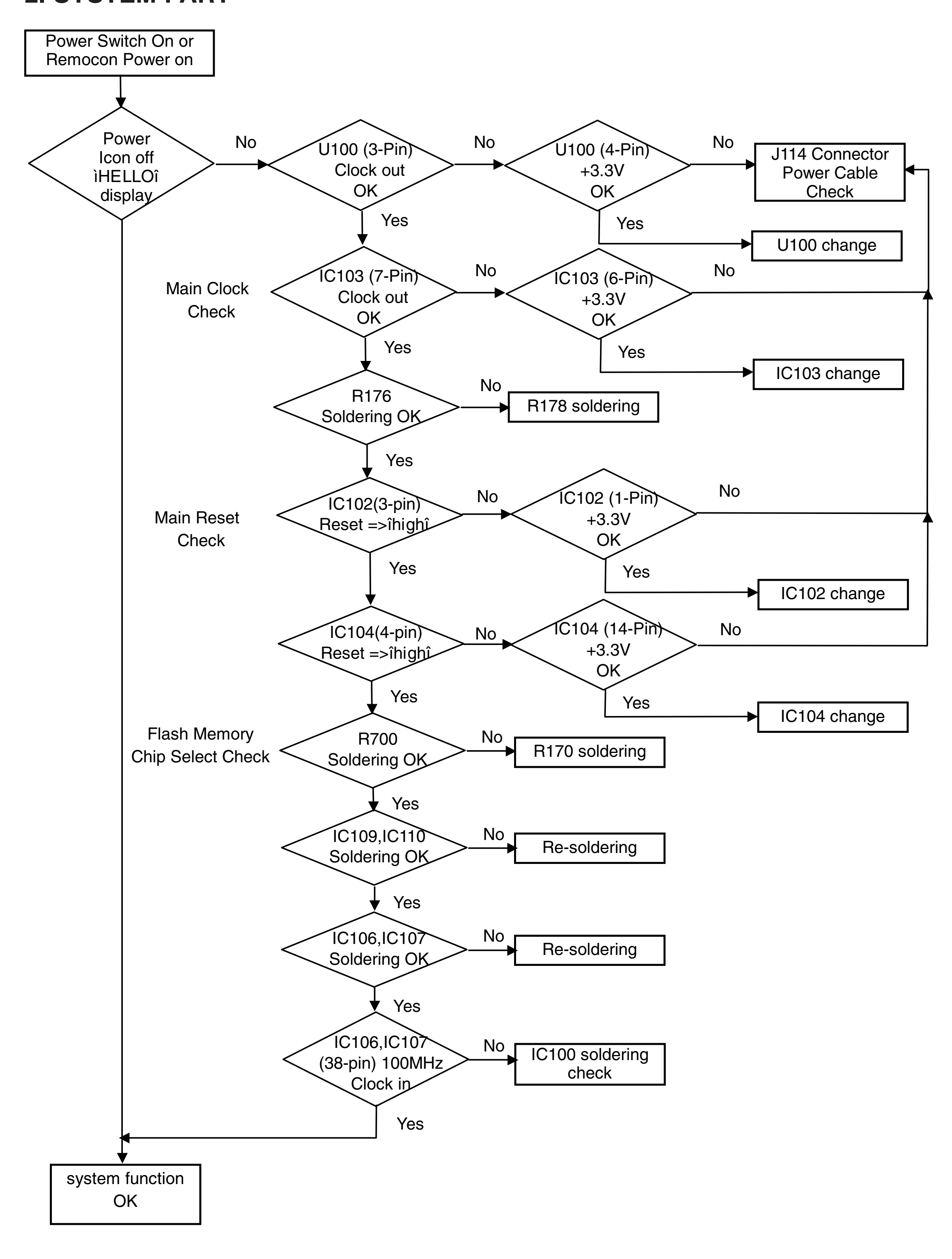


ELECTRICAL TROUBLESHOOTING GUIDE

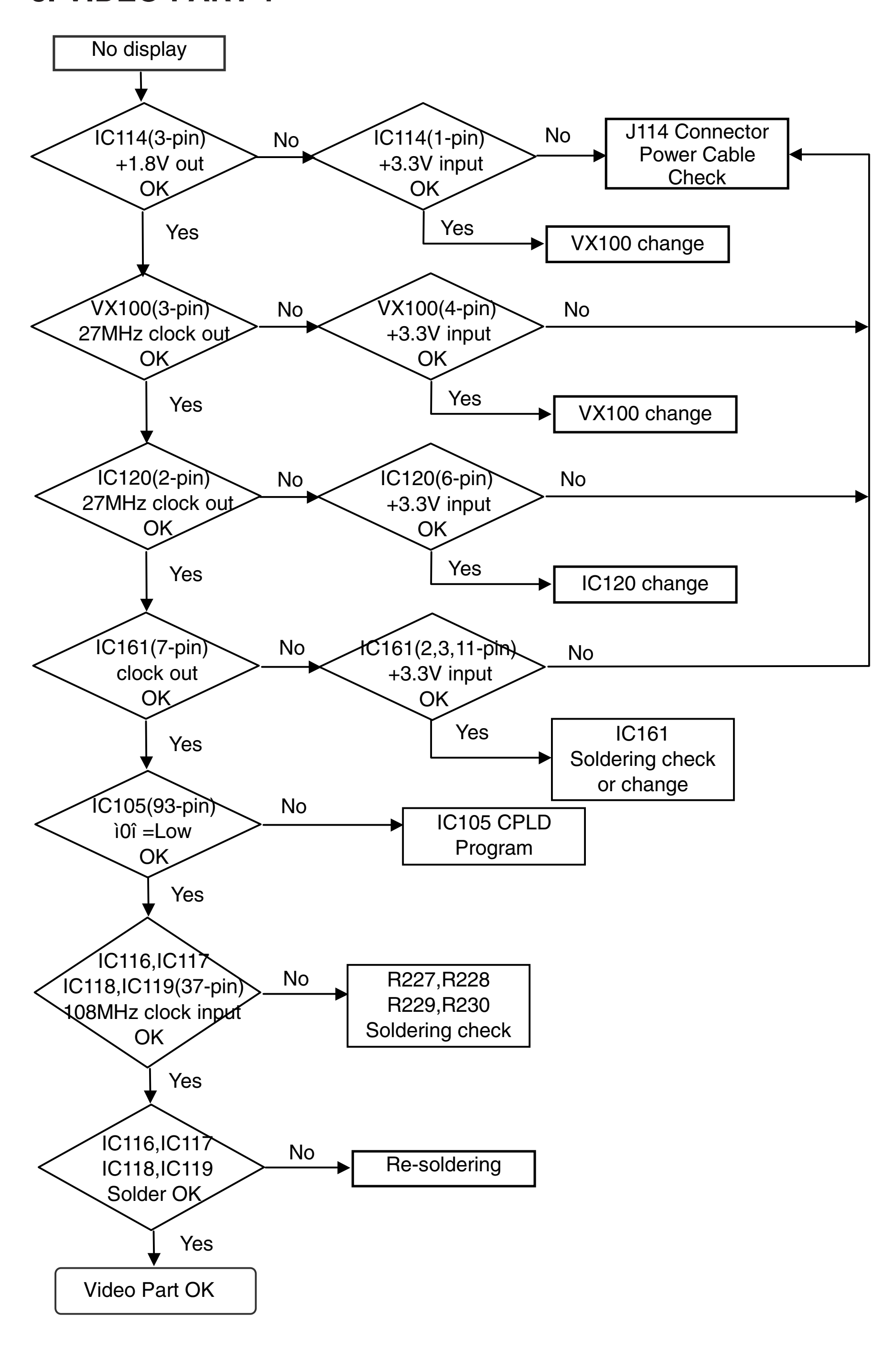
1. POWER ON



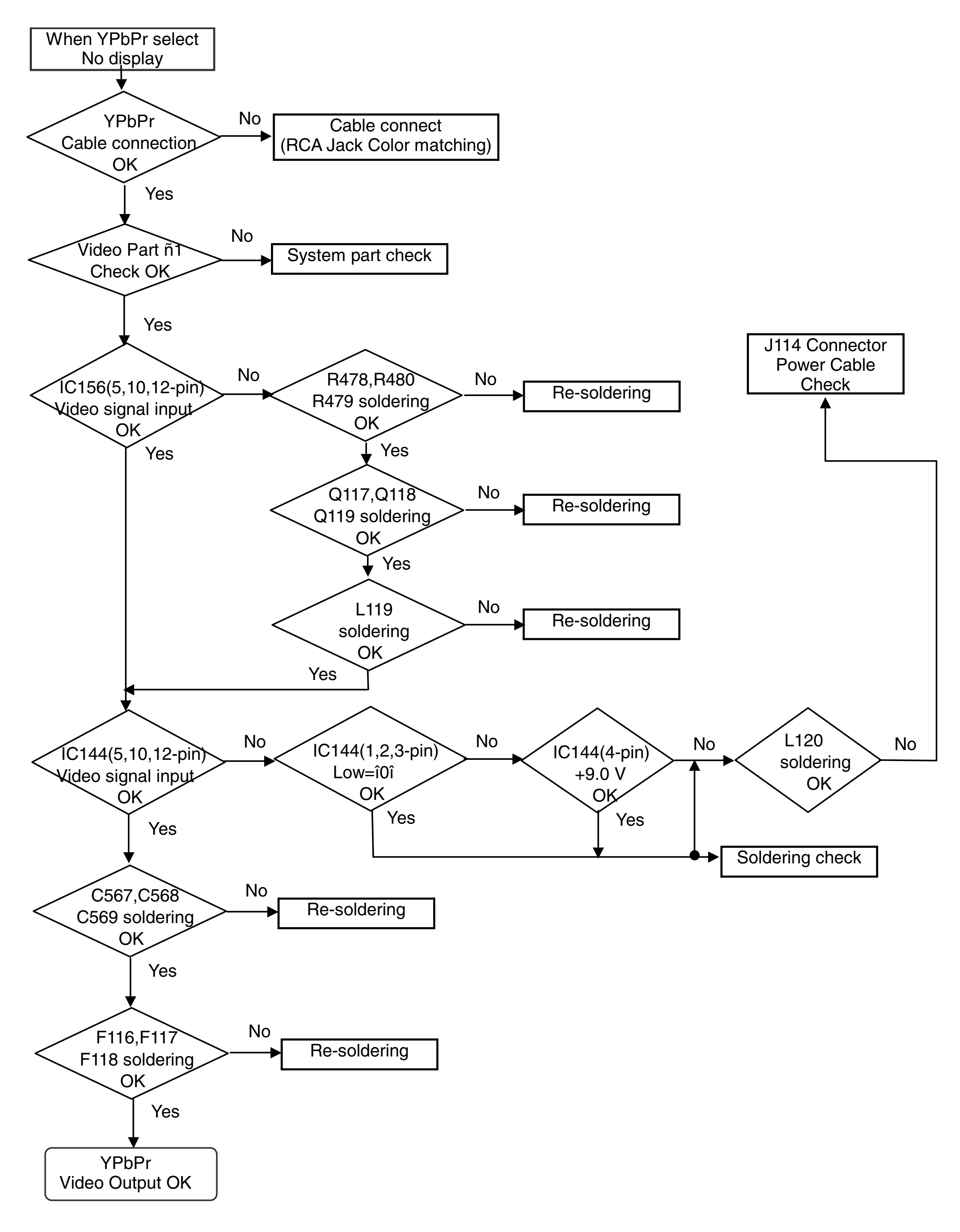
2. SYSTEM PART



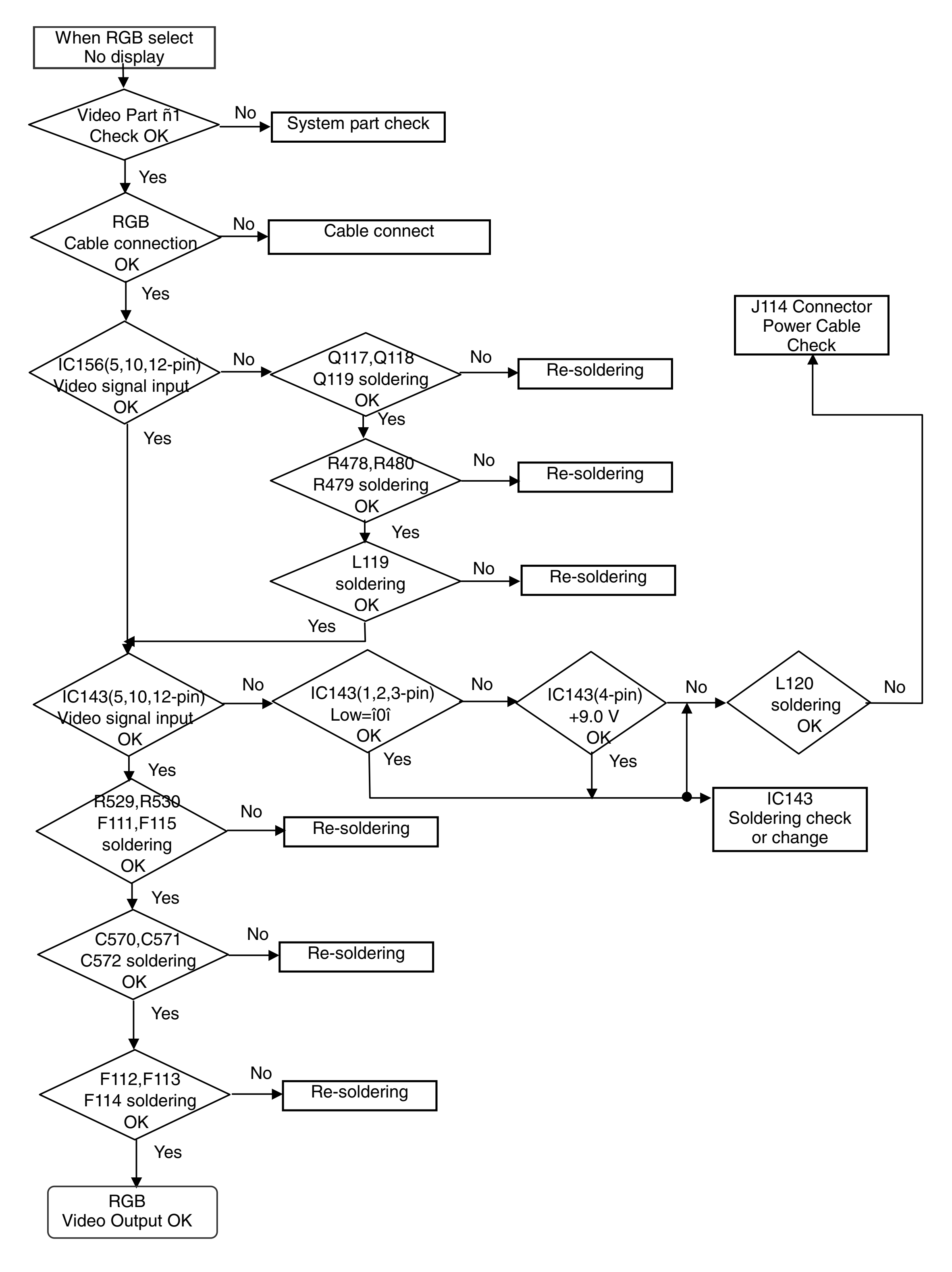
3. VIDEO PART-1



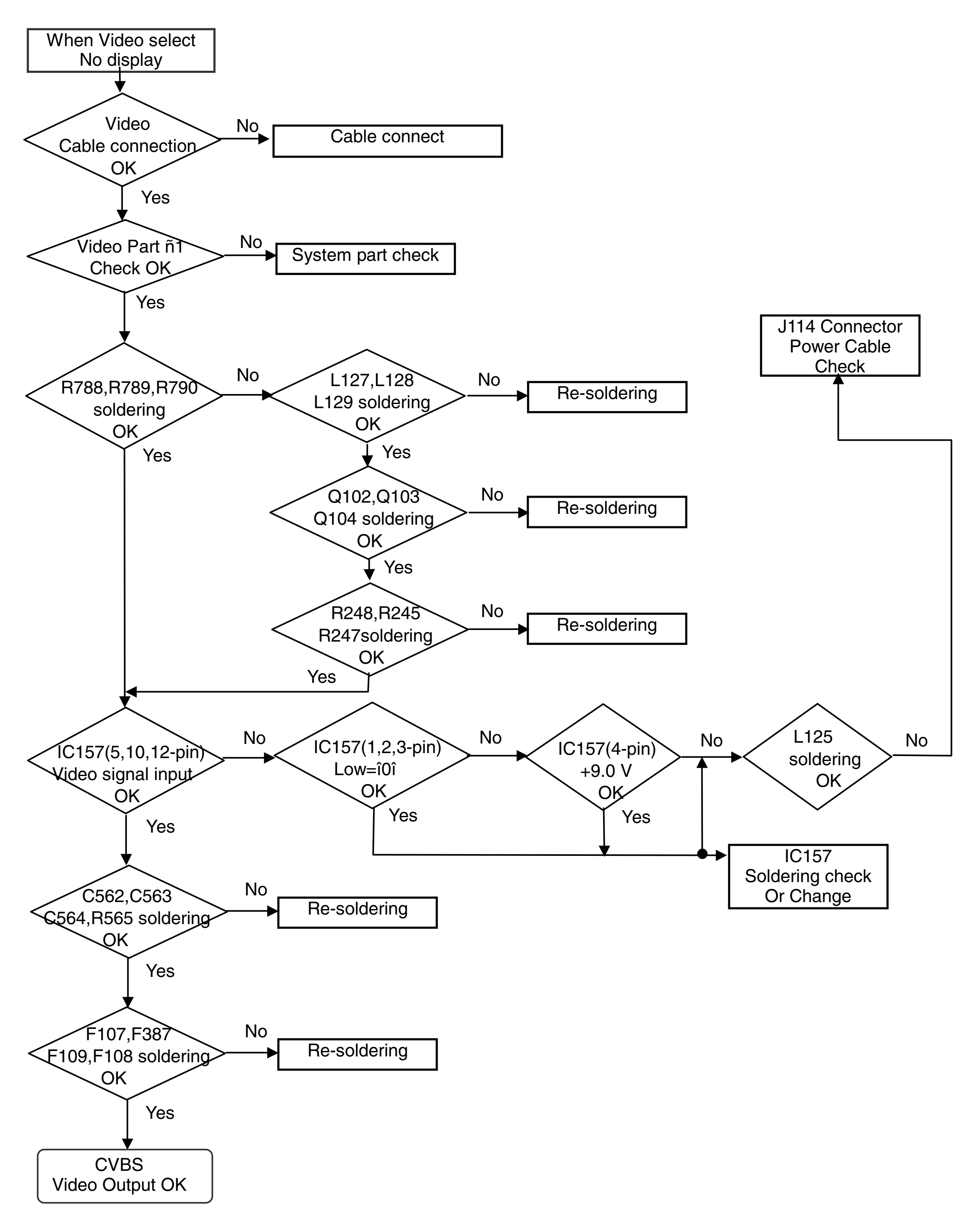
4. YPbPr VIDEO OUTPUT TROUBLESHOOTING



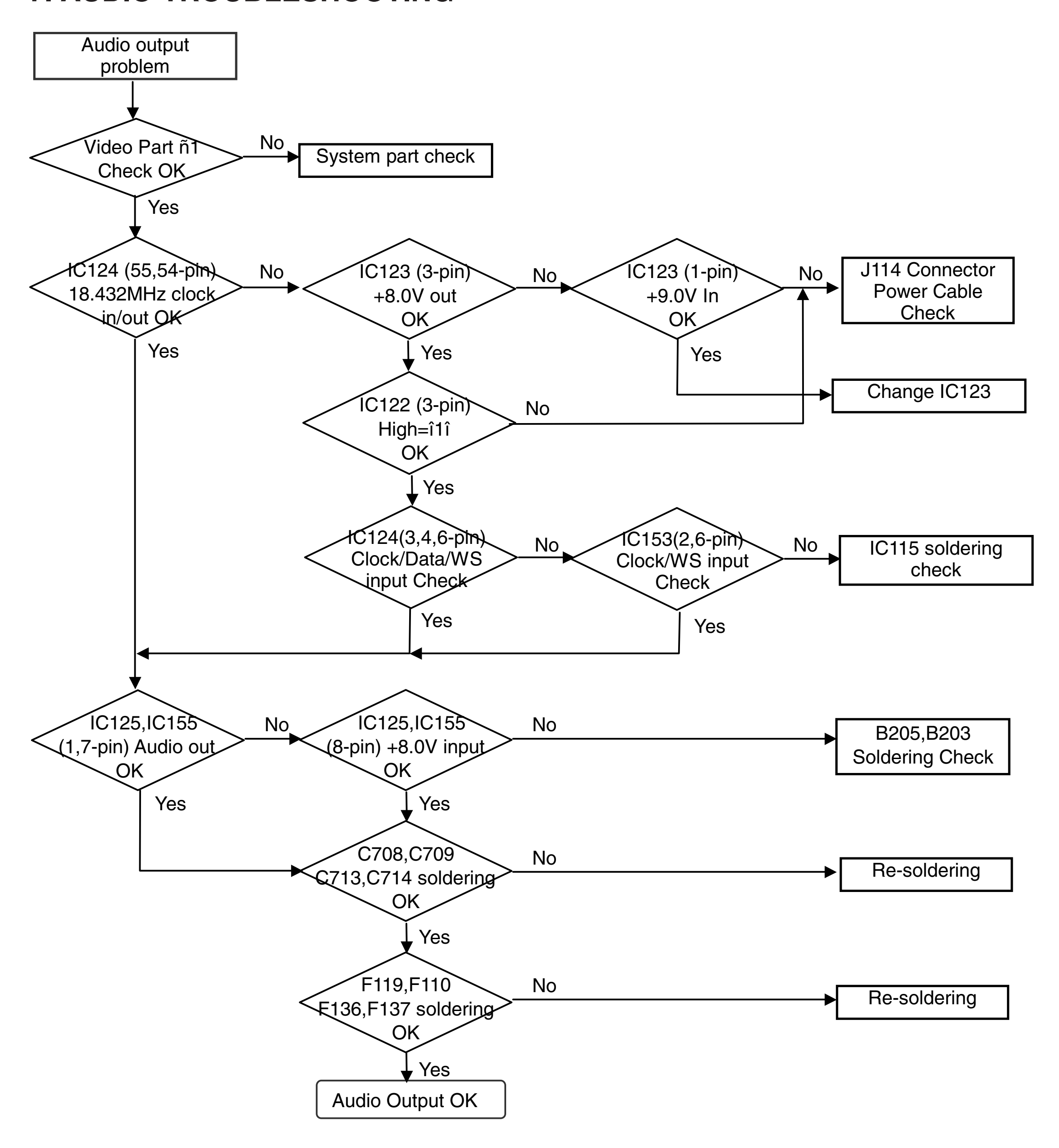
5. RGB VIDEO OUTPUT TROUBLESHOOTING



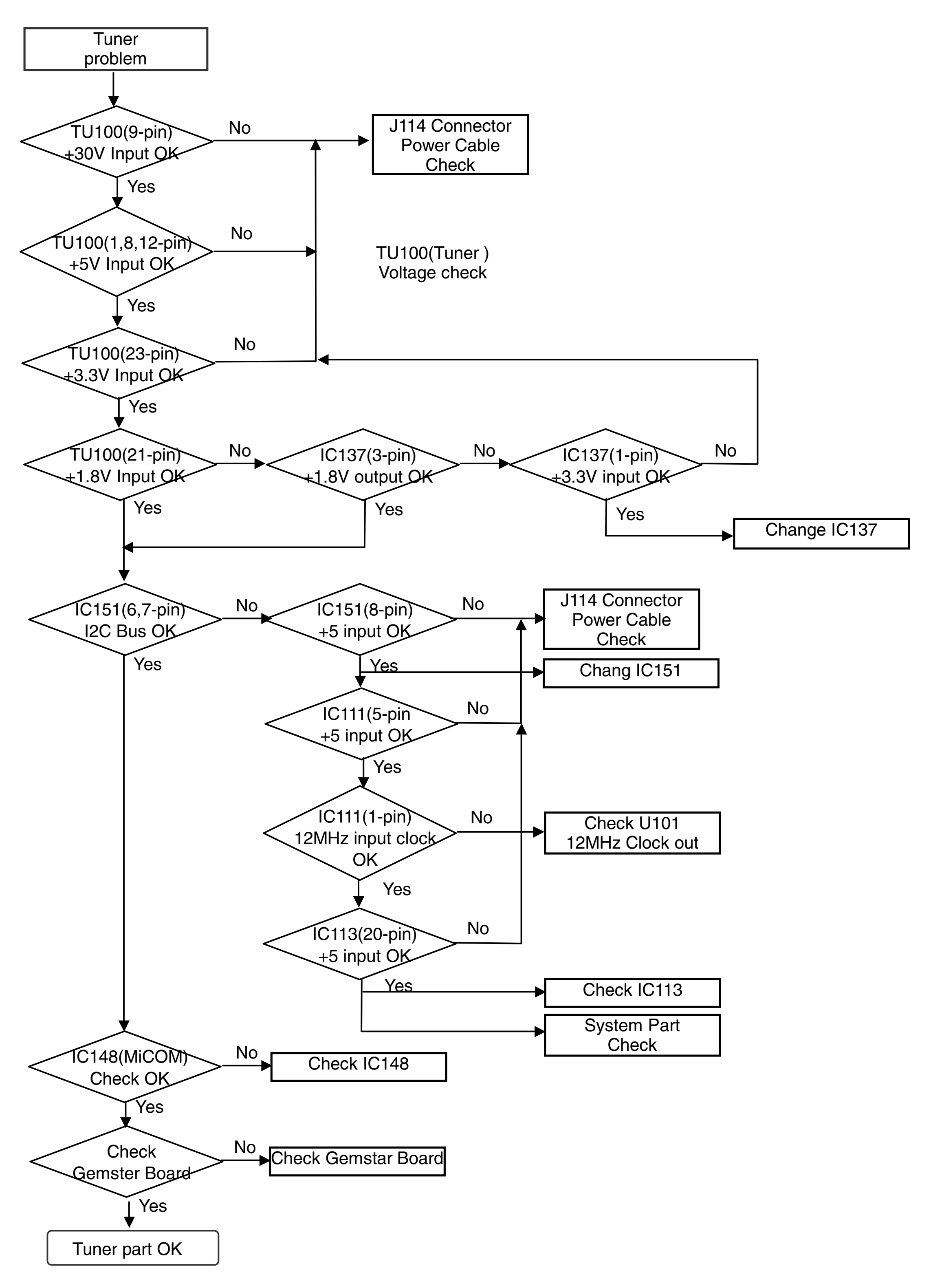
6. CVBS VIDEO OUTPUT TROUBLESHOOTING



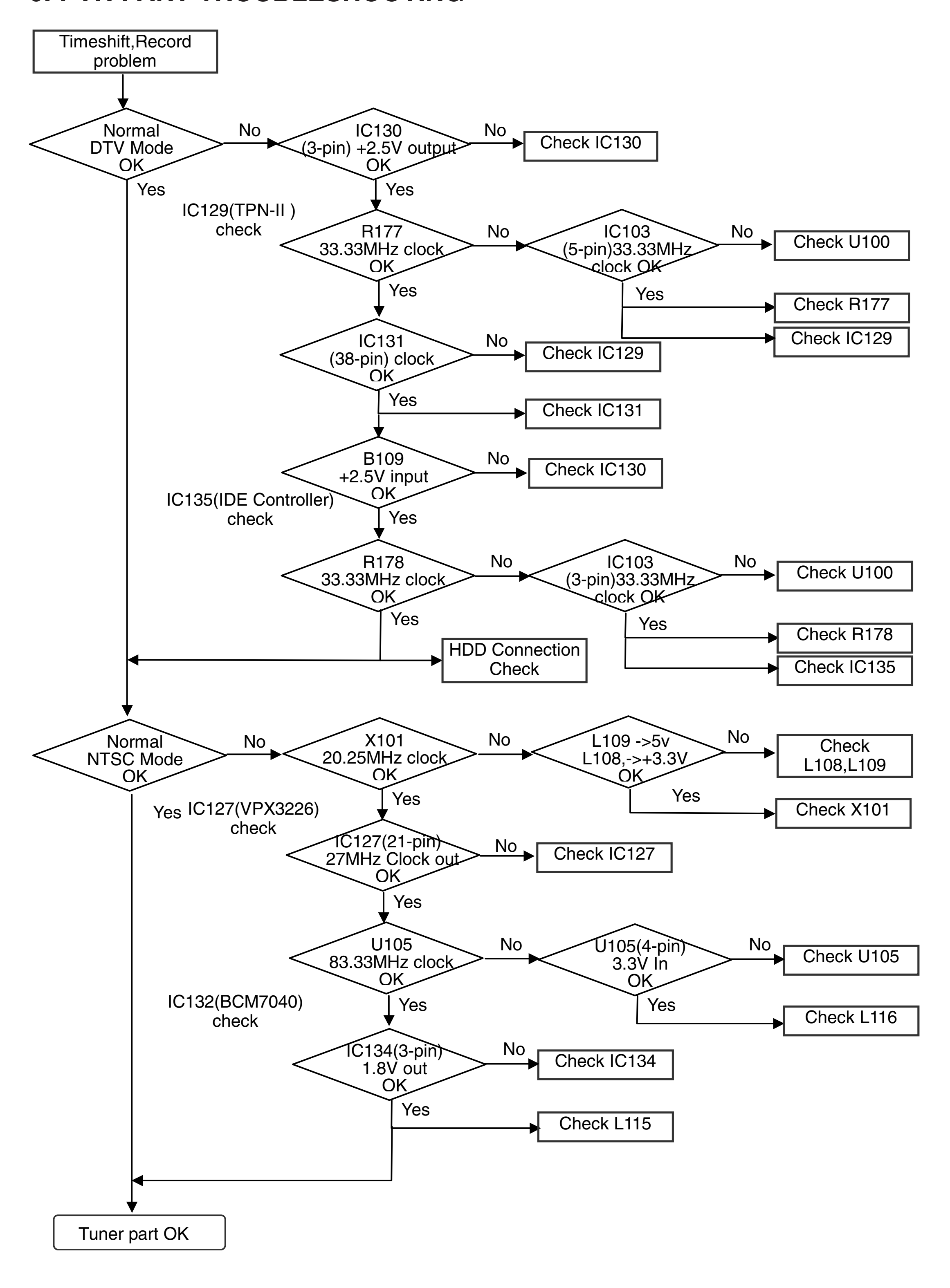
7. AUDIO TROUBLESHOOTING



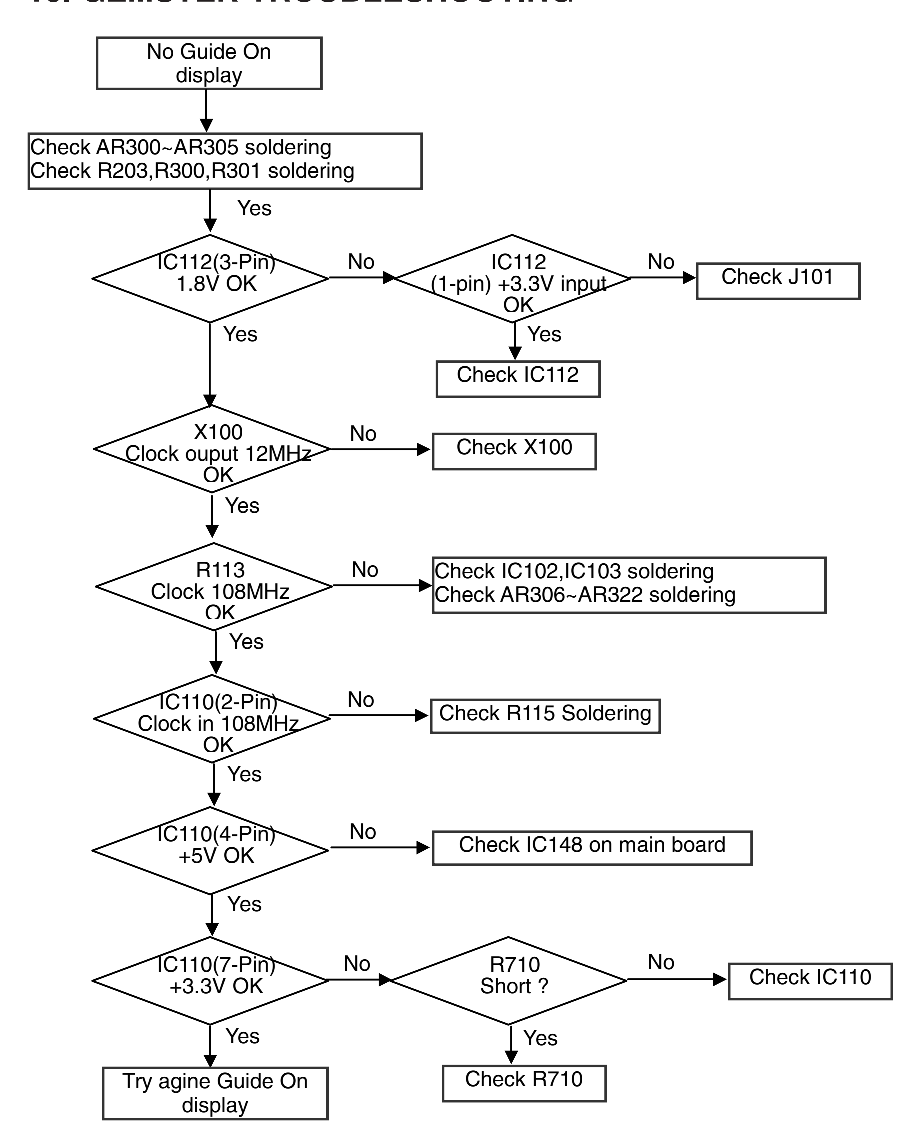
8. TUNER TROUBLESHOOTING

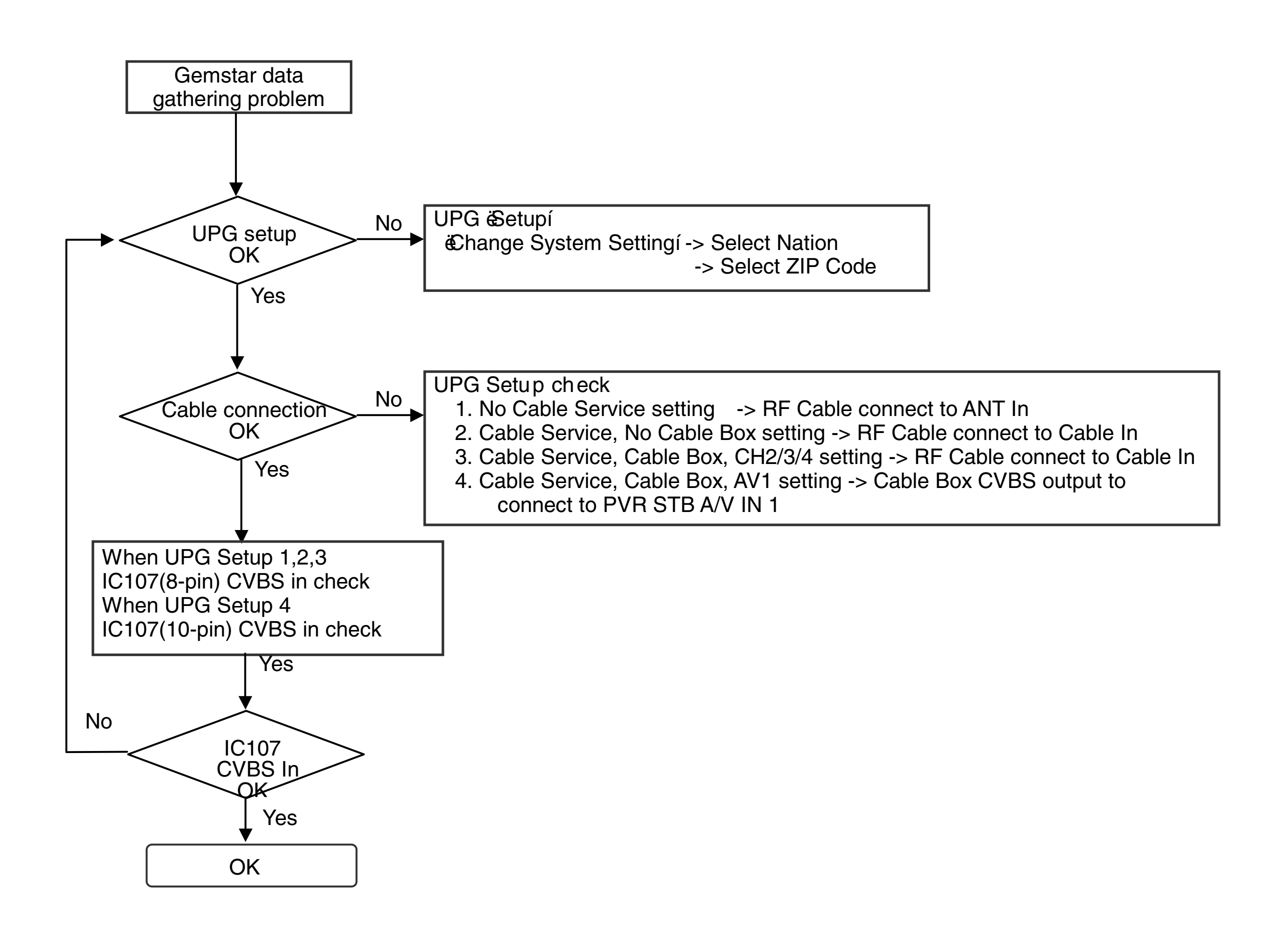


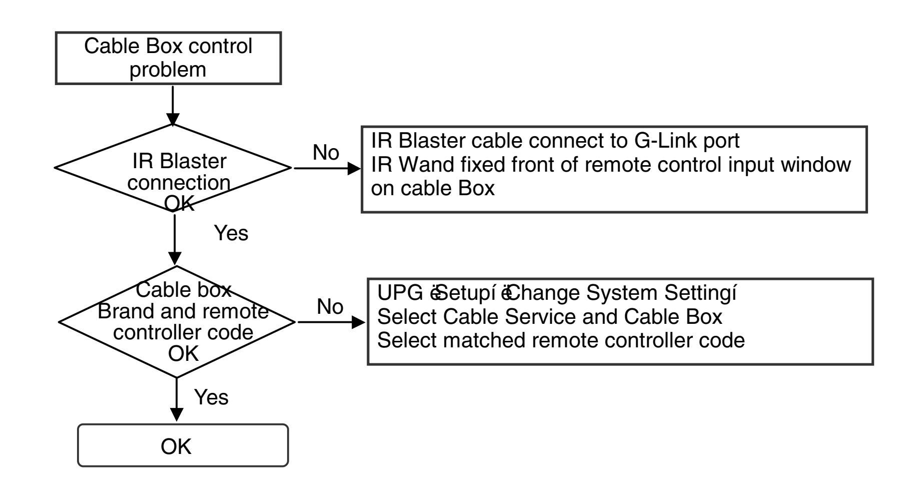
9. PVR PART TROUBLESHOOTING



10. GEMSTER TROUBLESHOOTING



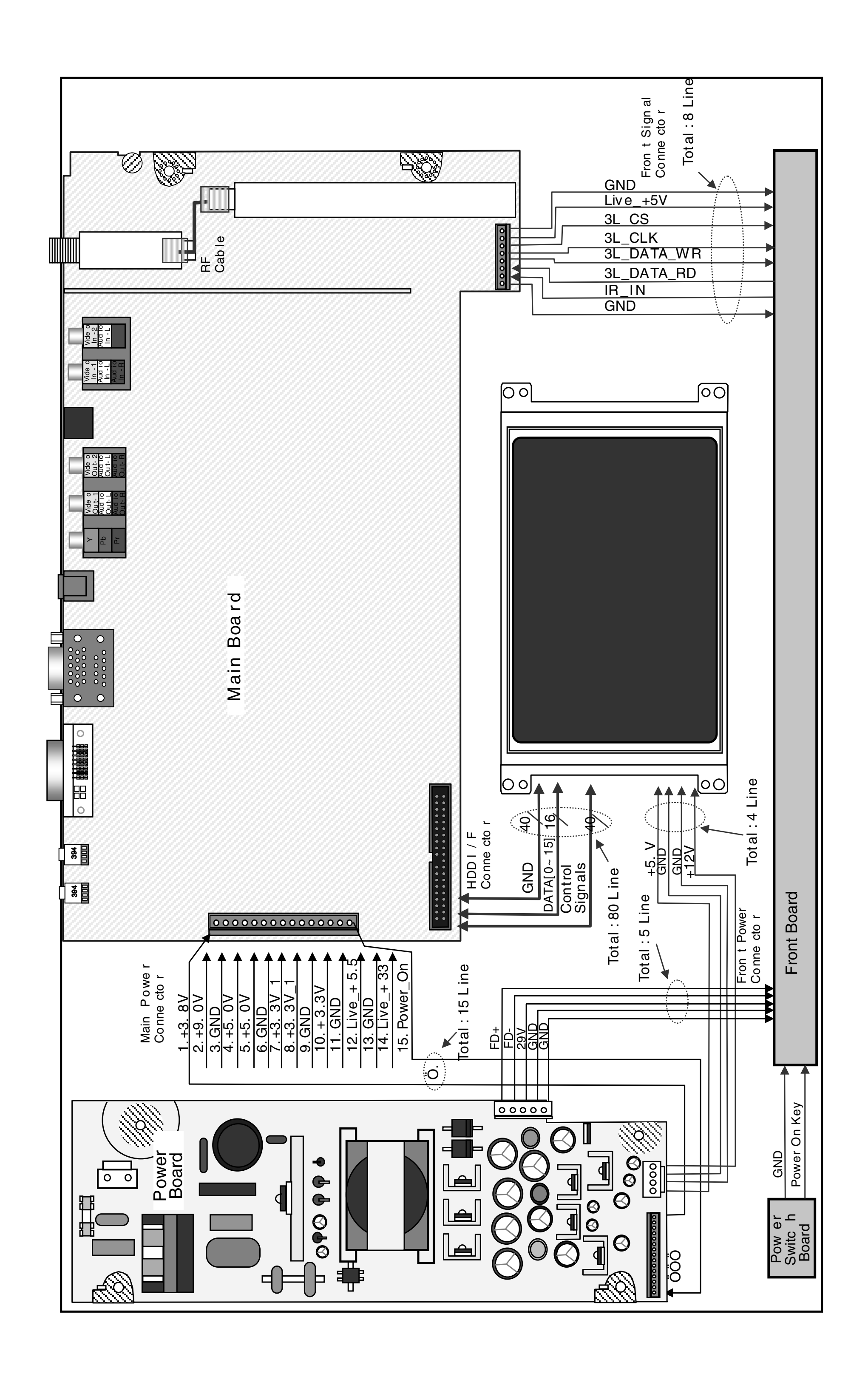

Gemstar data gathering problem
UPG setup OK
No
UPG éSetupí
éChange System Settingí -> Select Nation
-> Select ZIP Code
Yes
Cable connection OK
No
UPG Setup check
1. No Cable Service setting -> RF Cable connect to ANT In
2. Cable Service, No Cable Box setting -> RF Cable connect to Cable In
3. Cable Service, Cable Box, CH2/3/4 setting -> RF Cable connect to Cable In
4. Cable Service, Cable Box, AV1 setting -> Cable Box CVBS output to connect to PVR STB A/V IN 1
Yes
When UPG Setup 1,2,3
IC107(8-pin) CVBS in check
When UPG Setup 4
IC107(10-pin) CVBS in check
Yes
No
IC107 CVBS In OK
Yes
OK


Cable Box control problem
IR Blaster connection OK
No
IR Blaster cable connect to G-Link port
IR Wand fixed front of remote control input window on cable Box
Yes
Cable box Brand and remote controller code OK
No
UPG éSetupí éChange System Settingí
Select Cable Service and Cable Box
Select matched remote controller code
Yes
OK

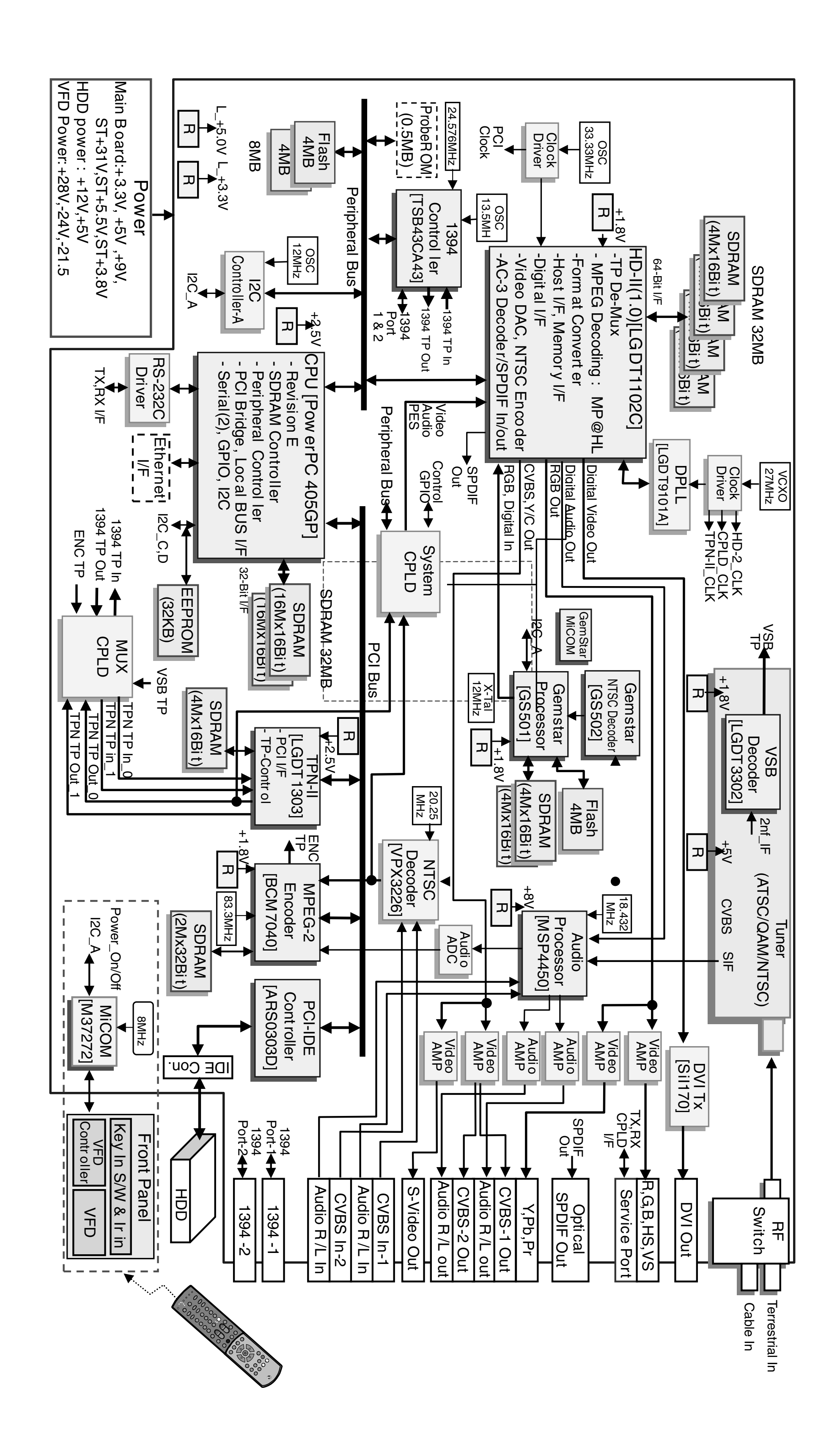
MEMO

BLOCK DIAGRAM

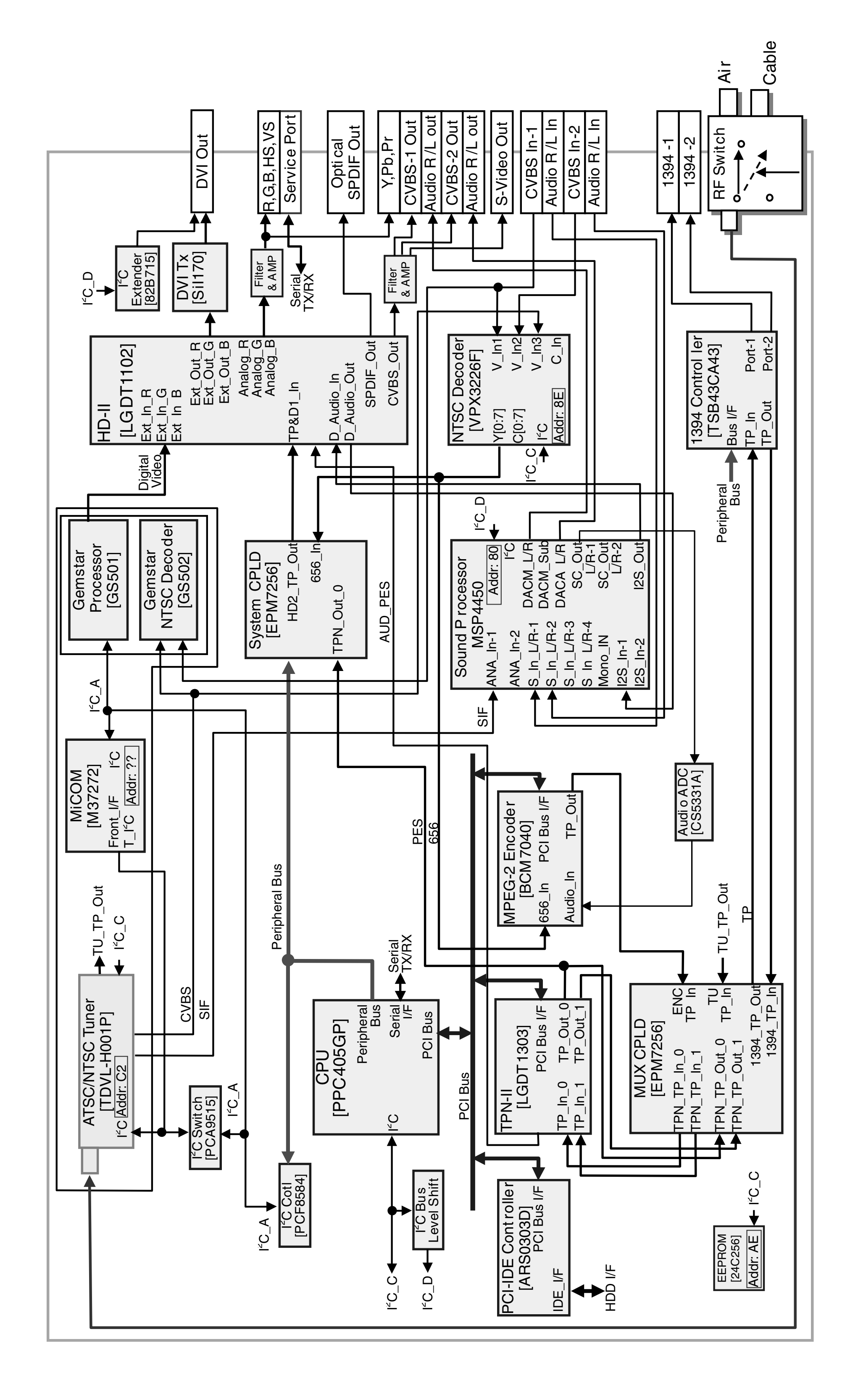
1. WIRING DIAGRAM



2. TOTAL BLOCK DIAGRAM



3. SIGNAL PATH DIAGRAM



MEMO

VOLTAGE MEASURED VALUE

1. ALUMINUM CAPACITOR-1

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		(+)	(-)	Top/Bottom	Top/Bottom	
0.47uF	C565	3.77	0	3.77	0	
	C550	5.72	1.86	5.72	1.86	
1uF	C547	4.3	-3.49	4.3	-3.49	
	C548	-0.96	0	-0.96	0	
	C551	5	0	5	0	
	C552	8.25	5	8.25	5	
	C553	6.2	2.44	6.2	2.44	
3.3uF	C100	2.49	0	2.49	0	
	C307	4.96	0	4.96	0	
	C332	3.76	0	3.76	0	

2. ALUMINUM CAPACITOR-2

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		(+)	(-)	Top/Bottom	Top/Bottom	
10uF/16	C103	2.5	0	2.5	0	
	C104	2.5	0	2.5	0	
	C113	3.2	0	3.2	0	
	C114	3.2	0	3.2	0	
	C129	3.2	0	3.2	0	
	C288	1.65	0	1.65	0	
	C295	0.54	4.55	0.54	4.55	
	C312	4.94	0	4.94	0	
	C313	4.03	1.92	4.03	1.92	
	C314	4.03	1.92	4.03	1.92	
	C325	8.09	6.4	8.09	6.4	
	C326	8.09	6.4	8.09	6.4	
	C330	2.62	0	2.62	0	
	C331	5	0	5	0	
	C338	5	0	5	0	
	C341	8	0	8	0	
	C350	2.5	0	2.5	0	
	C355	3.2	0	3.2	0	
	C356	3.2	0	3.2	0	
	C360	3.2	0	3.2	0	
	C361	3.2	0	3.2	0	
	C379	3.28	0	3.28	0	
	C401	2.5	0	2.5	0	

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		(+)	(-)	Top/Bottom	Top/Bottom	
	C423	1.8	0	1.8	0	
	C437	1.8	0	1.8	0	
	C442	1.8	0	1.8	0	
	C444	3.27	0	3.27	0	
	C454	3.28	0	3.28	0	
	C460	1.8	0	1.8	0	
	C493	1.43	0.05	1.43	0.05	
	C542	9.12	0	9.12	0	
	C608	3.3	0	3.3	0	
	C615	3.3	0	3.3	0	
	C616	3.3	0	3.3	0	
	C627	9.13	0	9.13	0	
	C631	5	0	5	0	
	C634	3.21	0	3.21	0	
	C636	3.29	0	3.29	0	
	C639	5.04	0	5.04	0	
	C646	5.61	0	5.61	0	
	C657	4.9	0	4.9	0	
	C706	4.03	1.94	4.03	1.94	
	C707	4.03	1.93	4.03	1.93	
	C711	8.09	1	8.09	1	
	C718	0	0	0	0	External input to Gemster
	C719	1.8	0	1.8	0	
	C720	1.8	0	1.8	0	
	C728	3.65	0	3.65	0	

3. ALUMINUM CAPACITOR-3

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		(+)	(-)	Top/Bottom	Top/Bottom	
22uF/16	C123	3.2	0	3.2	0	
	C126	2.5	0	2.5	0	
	C175	3.2	0	3.2	0	
	C178	1.8	0	1.8	0	
	C259	1.8	0	1.8	0	
	C289	3.2	0	3.2	0	
	C290	3.2	0	3.2	0	
	C297	9.12	0	9.12	0	
	C309	9.12	0	9.12	0	

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		(+)	(-)	Top/Bottom	Top/Bottom	
	C317	8.1	0	8.1	0	
	C345	3.2	0	3.2	0	
	C347	4.97	0	4.97	0	
	C362	3.2	0	3.2	0	
	C369	4.96	0	4.96	0	
	C370	5	0	5	0	
	C461	3.28	0	3.28	0	
	C476	2.5	0	2.5	0	
	C478	2.5	0	2.5	0	
	C484	5	0	5	0	
	C480	32.3	0	32.3	0	
	C490	5	0	5	0	
	C495	5	0	5	0	
	C497	5	0	5	0	
	C499	3.32	0	3.32	0	
	C504	1.81	0	1.81	0	
	C535	5	0	5	0	
	C539	9.1	0	9.1	0	
	C556	9.1	0	9.1	0	
	C621	5	0	5	0	
	C623	5.62	0	5.62	0	
	C644	5	0	5	0	
	C708	4.04	0	4.04	0	
	C709	4.04	0	4.04	0	
	C713	4.04	0	4.04	0	
	C714	4.04	0	4.04	0	
	C721	9.1	0	9.1	0	
	C723	9.1	0	9.1	0	
47uF	C544	2.26	3.5	2.26	3.5	
	C545	2.25	3.4	2.25	3.4	
	C546	2.27	3.5	2.27	3.5	
100uF	C339	4.04	0	4.04	0	
	C555	9.11	0	9.11	0	
	C630	5	0	5	0	
	C633	3.21	0	3.21	0	
	C643	32.2	0	32.2	0	
	C648	3.35	0	3.35	0	
	C650	5	0	5	0	
	C710	4.04	0	4.04	0	
220uF	C549	0	1.82	0	1.82	
	C562	4.28	2.19	4.28	2.19	At Video Mode
	C563	4.23	1.9	4.23	1.9	
	C564	4.25	1.3	4.25	1.3	

4. ALUMINUM CAPACITOR-4

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		(+)	(-)	Top/Bottom	Top/Bottom	
470uF	C567	5.0	1.5	5.0	1.5	YPbPr
	C568	5.0	1.37	5.0	1.37	Varies according to
	C569	5.0	1.4	5.0	1.4	Video signal
	C570	5.04	0	5.04	0	RGB
	C571	4.56	0	4.56	0	
	C572	4.6	0	4.6	0	

5. DIODE

Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		Anode	Cathode	Anode	Cathode	
SD05	D102	0	-0.7	0	-0.7	
	D103	0	-0.7	0	-0.7	
	D105	0	0	0	0	
	D108	0	0	0	0	
	D109	0	0	0	0	
	D111	0	0.1	0	0.1	
	D112	0	0	0	0	
	D113	0	3.2	0	3.2	
	D115	0	0.15	0	0.15	
	D117	0	3.2	0	3.2	
	D118	0	3.2	0	3.2	
	D121	0	3.2	0	3.2	
	D123	0	3.19	0	3.19	
	D124	0	3.2	0	3.2	
	D125	0	3.2	0	3.2	
	D126	0	3.39	0	3.39	
	D127	0	3.2	0	3.2	
	D128	0	3.2	0	3.2	
	D131	0	0	0	0	
	D132	0	0	0	0	
	D137	0	0	0	0	
	D138	0	3.85	0	3.85	
	D139	0	3.87	0	3.87	
	D141	0	0	0	0	
	D142	0	0	0	0	
	D143	0	0.14	0	0.14	
	D144	0	0.1	0	0.1	

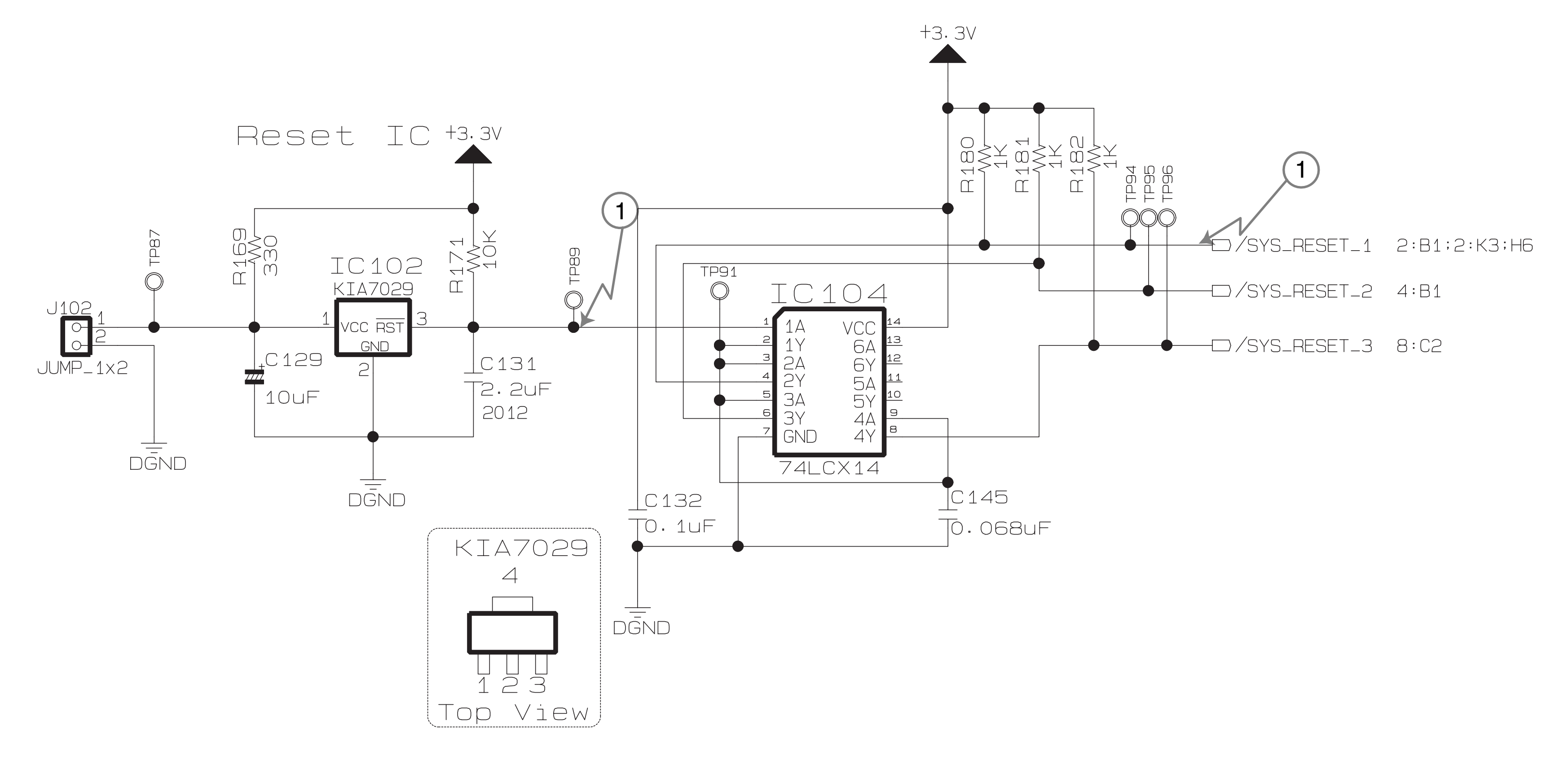
Capacity	Reference Number	DTV Receive		PVR Function		Reference Item
		Anode	Cathode	Anode	Cathode	
	D145	0	0.12	0	0.12	
	D146	0	0.1	0	0.1	
	D147	0	0.12	0	0.12	
	D148	0	0.12	0	0.12	
LED	LED100	1.94	0	1.94	0	Green
	LED101	3.28	4.9	1.7	0~3.3	Red
	LED102	3.3	3.3	3.3	3.3	At receiving AT
		3.3	1.7	3.3	1.7	At receiving NT
	LED105	1.6	0	1.6	0	

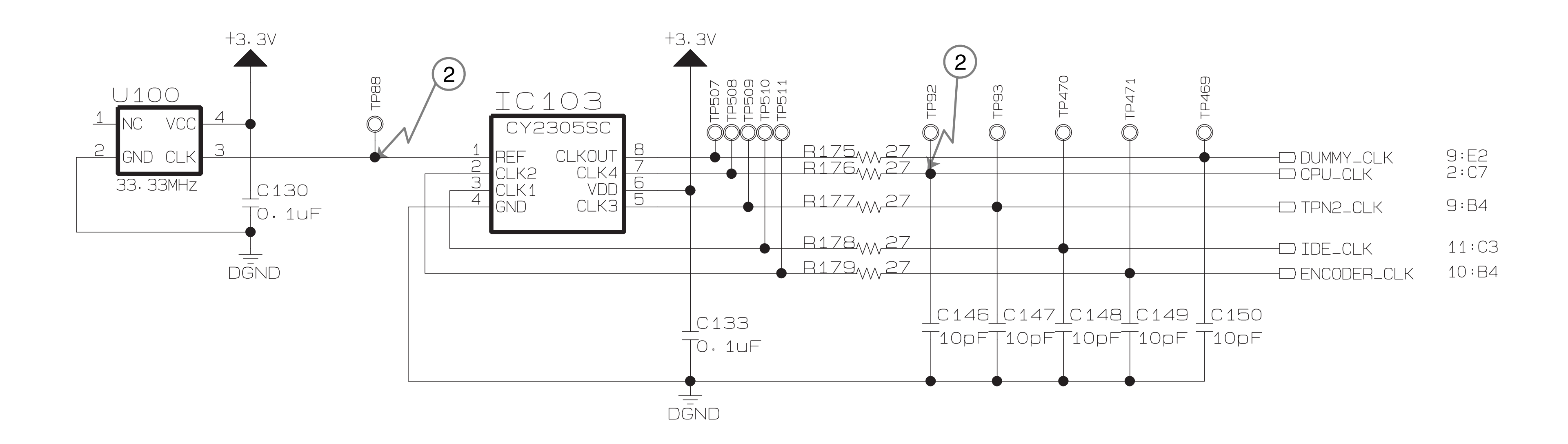
Part Name	Reference Number	Circuit No.			PVR			Reference Item
		1	2	3	1	2	3	
SLUV2.8	D104	0	~	1.4	0	~	1.4	Video signal
	D106	0	-0.22	0	0	-0.22	0	
	D107	0	-0.04	0	0	-0.04	0	
	D110	0	0	1.7	0	0	1.7	
	D114	0	~	0.56	0	~	0.56	
	D116	0	~	1.5	0	~	1.5	
	D119	0	~	0.46	0	~	0.46	
	D120	0	~	1.4	0	~	1.4	
	D122	0	0.23	0.35	0	0.23	0.35	
	D134	0	0	0	0	0	0	
	D135	0	0	0	0	0	0	
	D140	0	~	3.2	0	~	3.2	

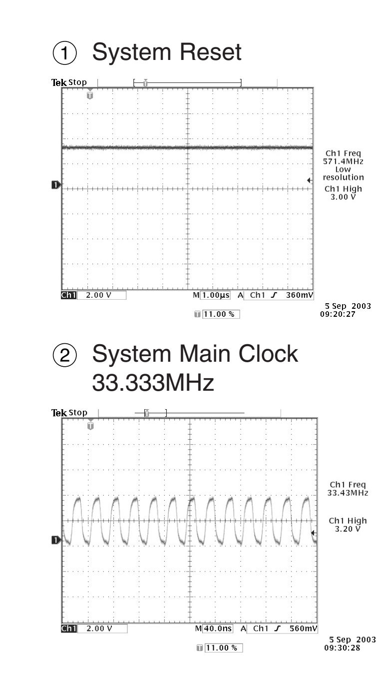
MEMO

WAVEFORMS

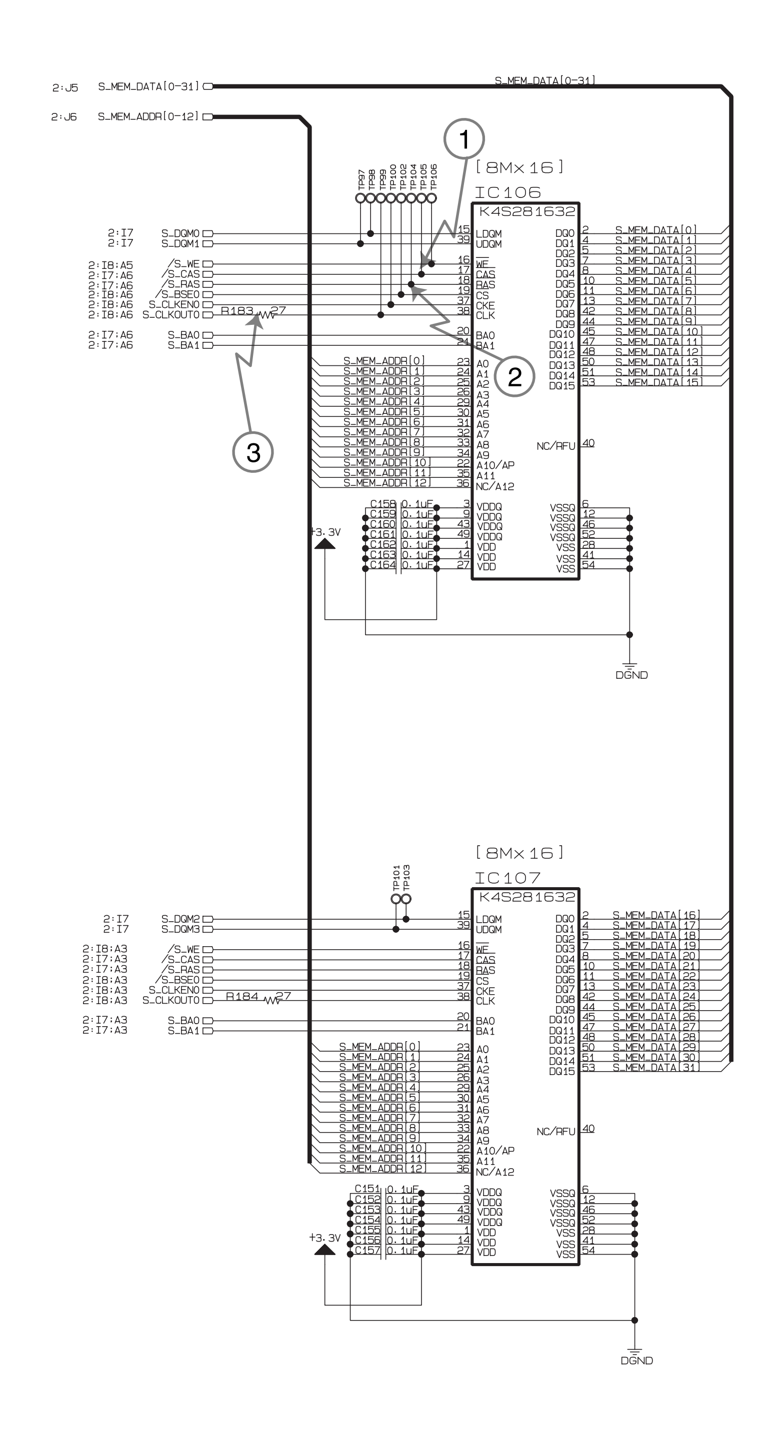
1. SYSTEM PART-1

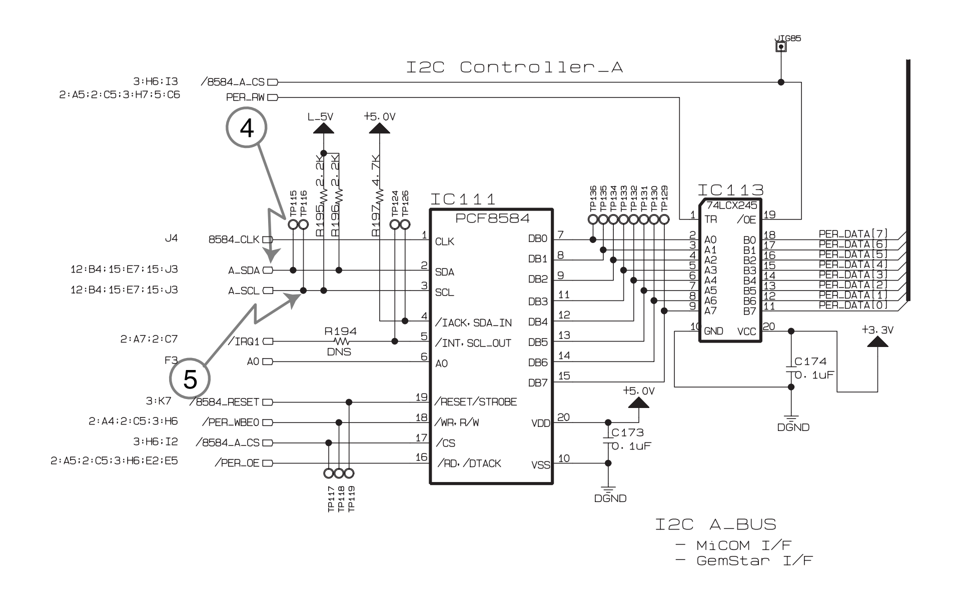


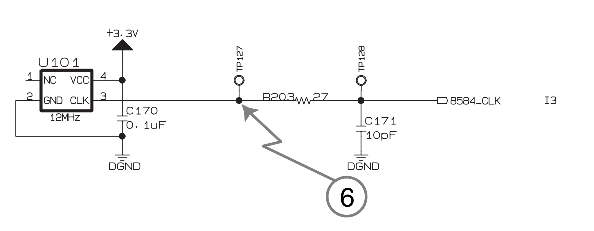


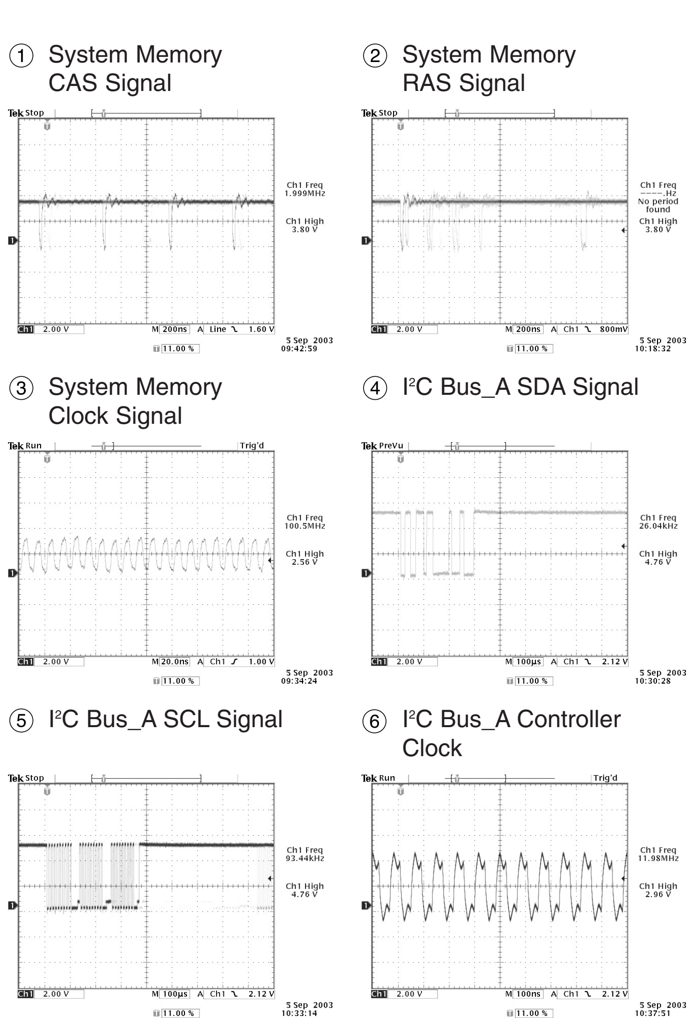


2. DIGITAL SYSTEM [SYSTEM MEMORY] SECTION

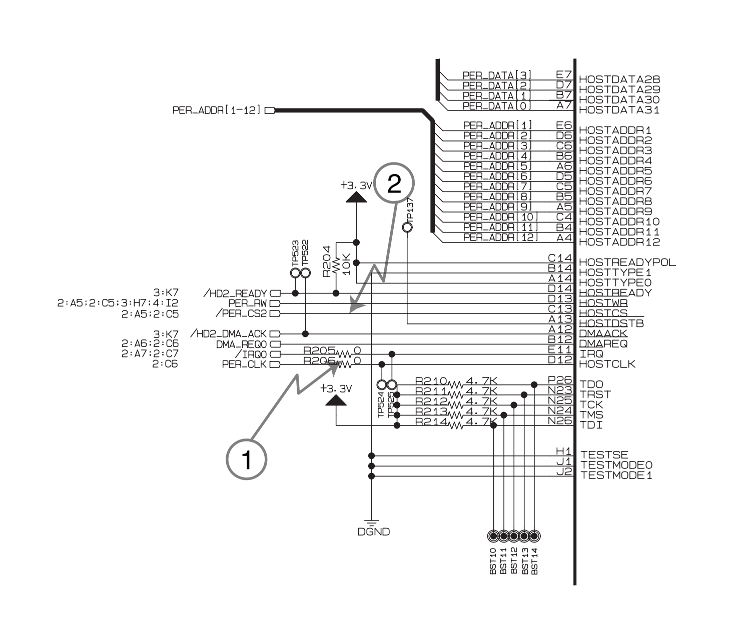


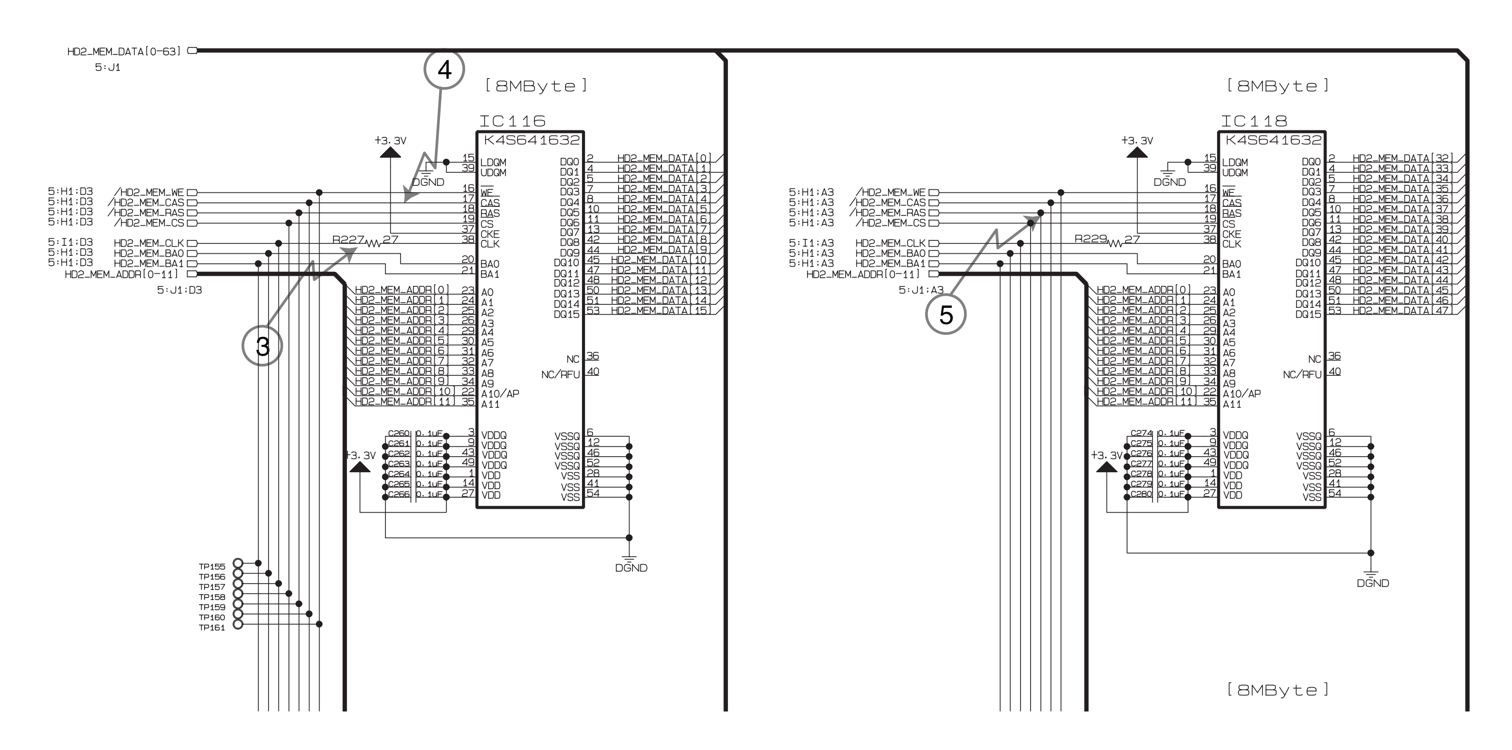




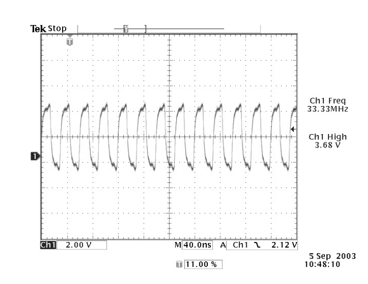


3. VIDEO PART-1

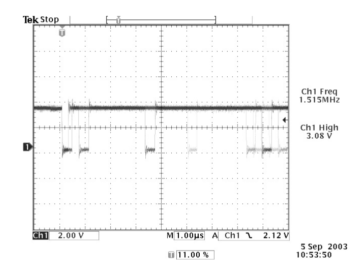




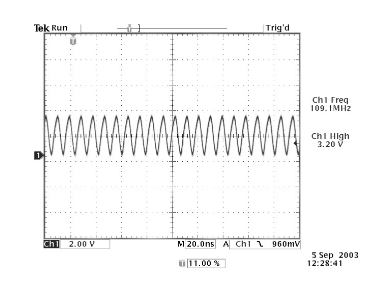
① HD-2 Host I/F Clock



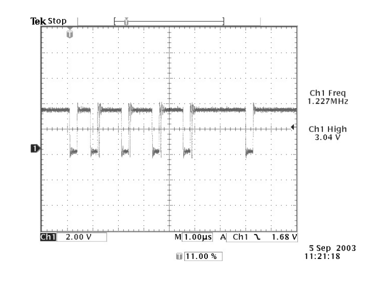
② HD-2 Chip Select Signal From CPU



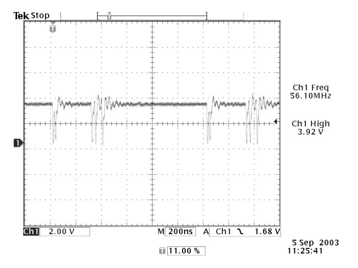
③ HD-2 Memory Clock



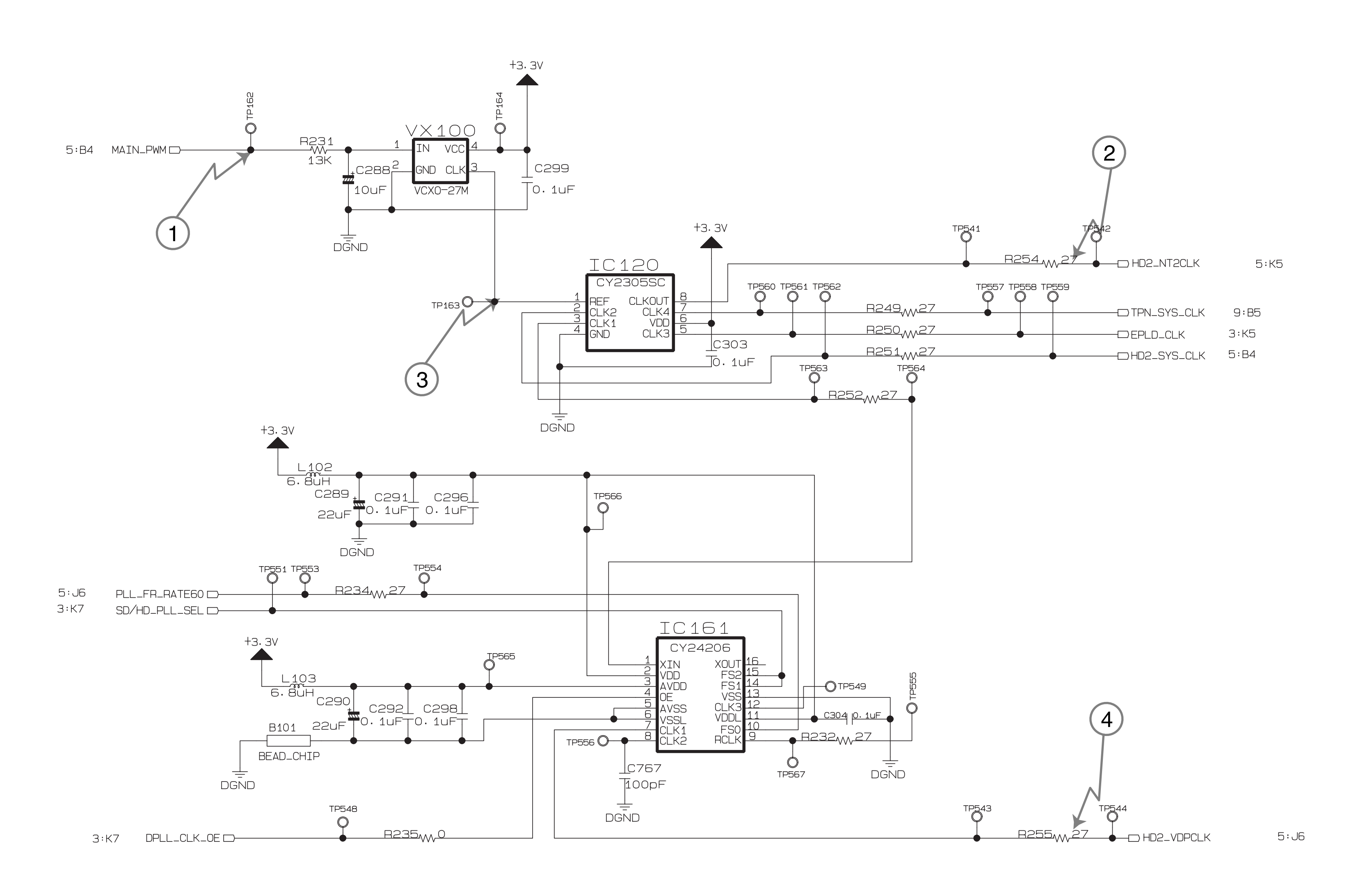
④ HD-2 Memory CAS Signal

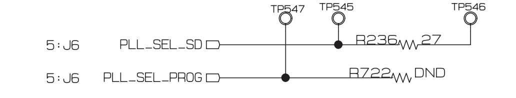


⑤ HD-2 Memory RAS Signal

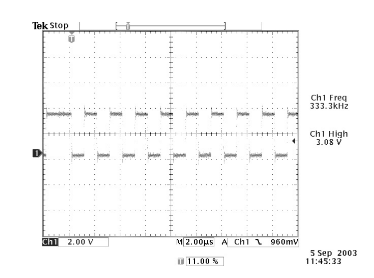


4. VIDEO PART-2

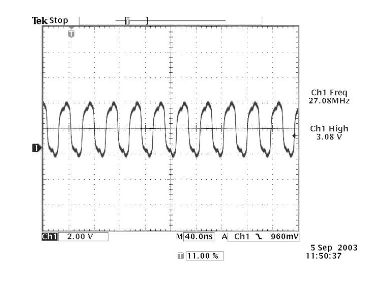




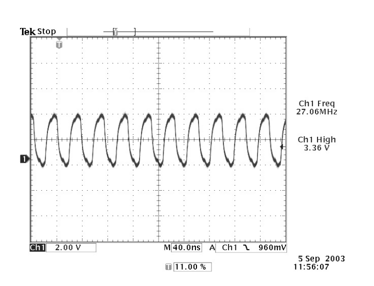
① HD-2 PWM Signal



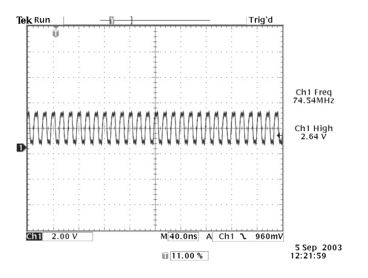
② HD-2 NTSC Clock



③ 27MHz VCXO Clock



④ HD-2 VDP Clock



5. AUDIO PART-1

I2C Bus Address
=> 80xH(W), 81xH(R)

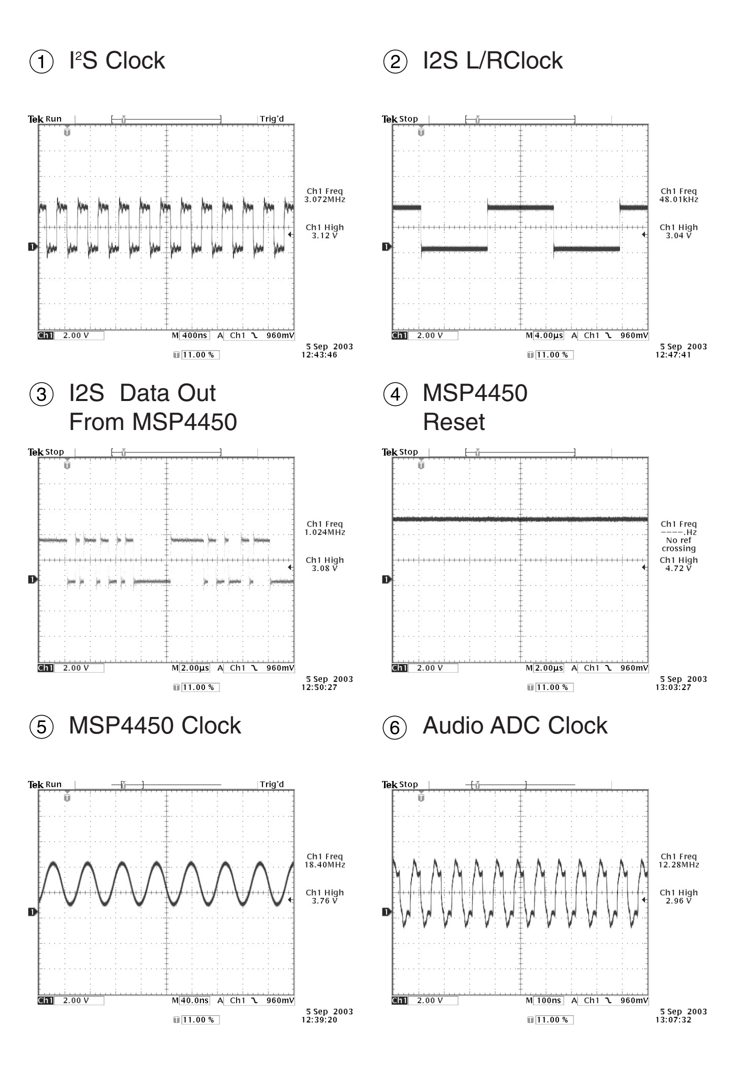
IC124
MSP4450-64P

IC123
78DL08F

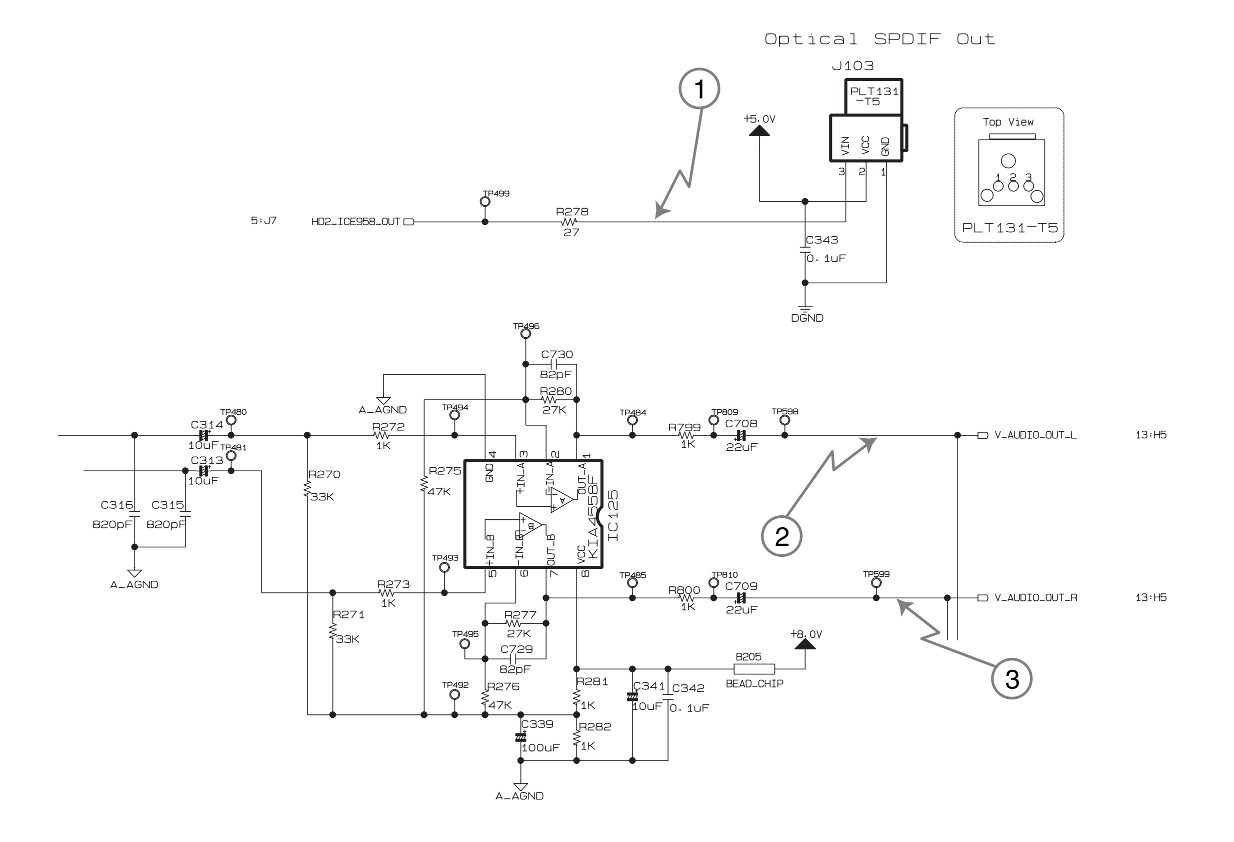
IC122
KIA7042

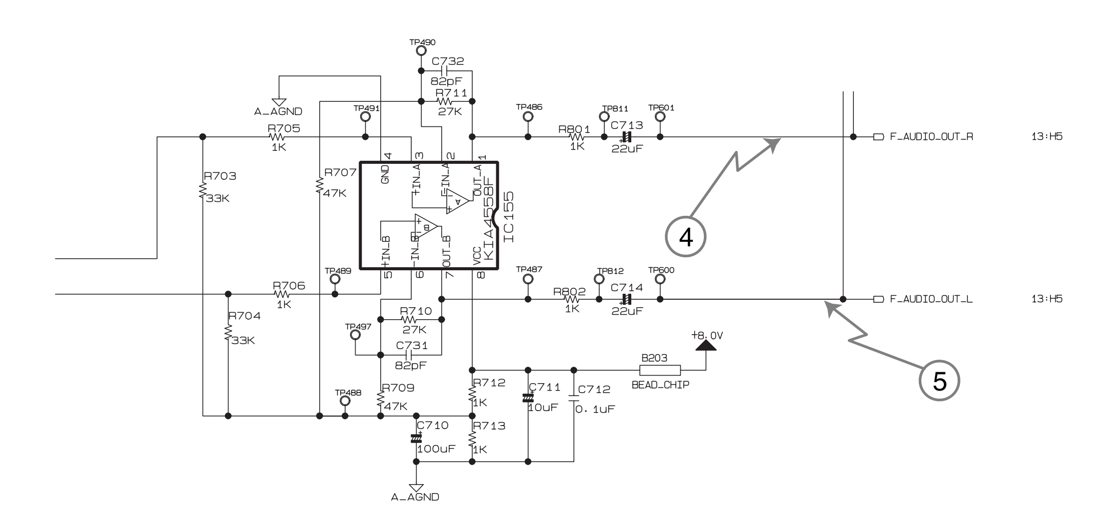
IC158
CS5331A-KS

U106
12.288MHz

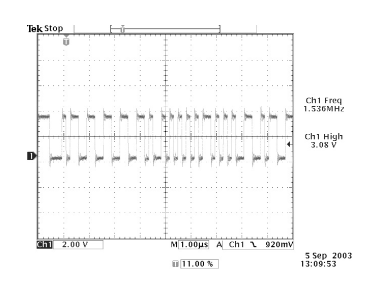


6. AUDIO PART-2

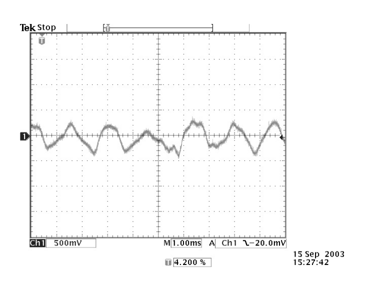




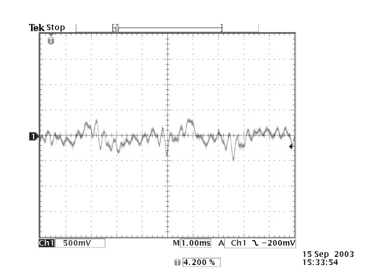
① SPDIF Out Signal



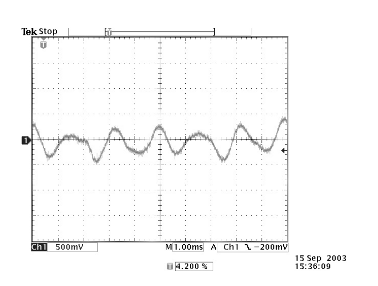
② Variable Audio_L Out



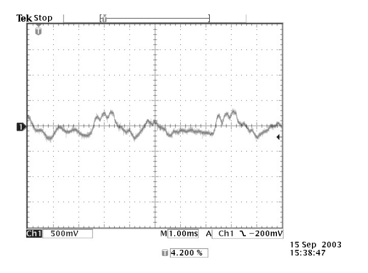
③ Variable Audio_R Out



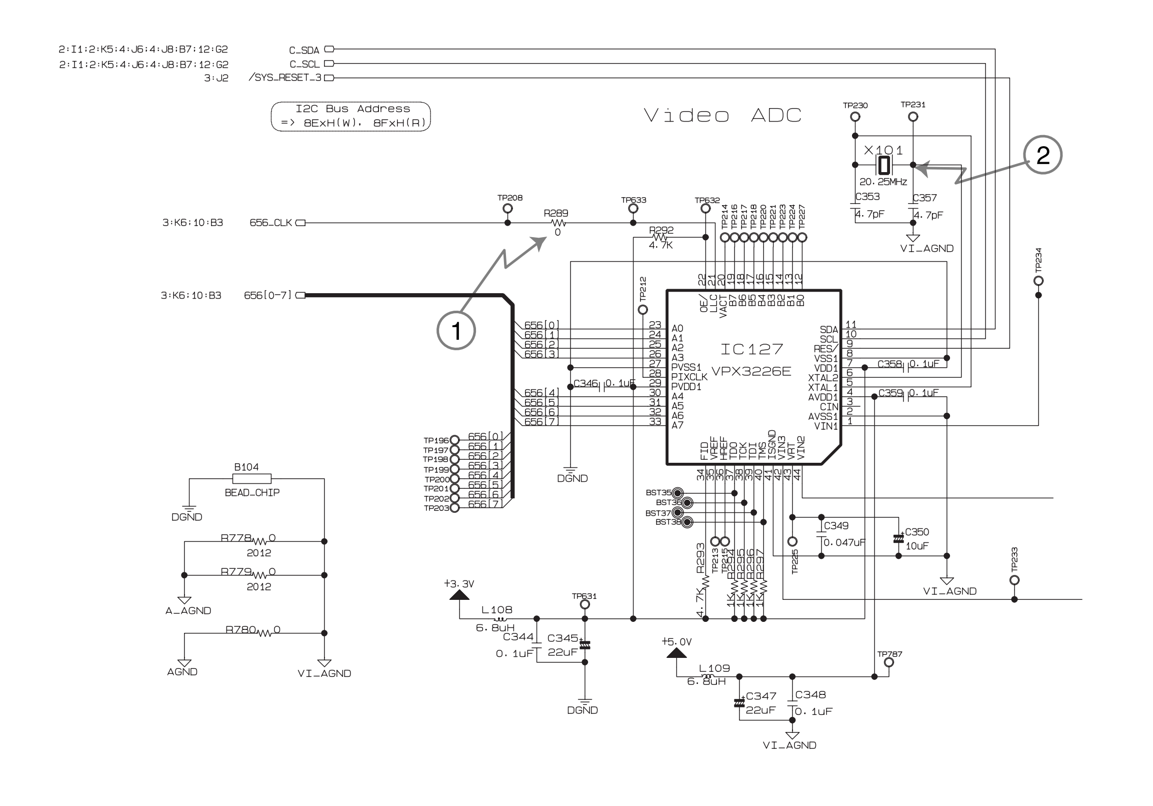
④ Fixed Audio_L Out

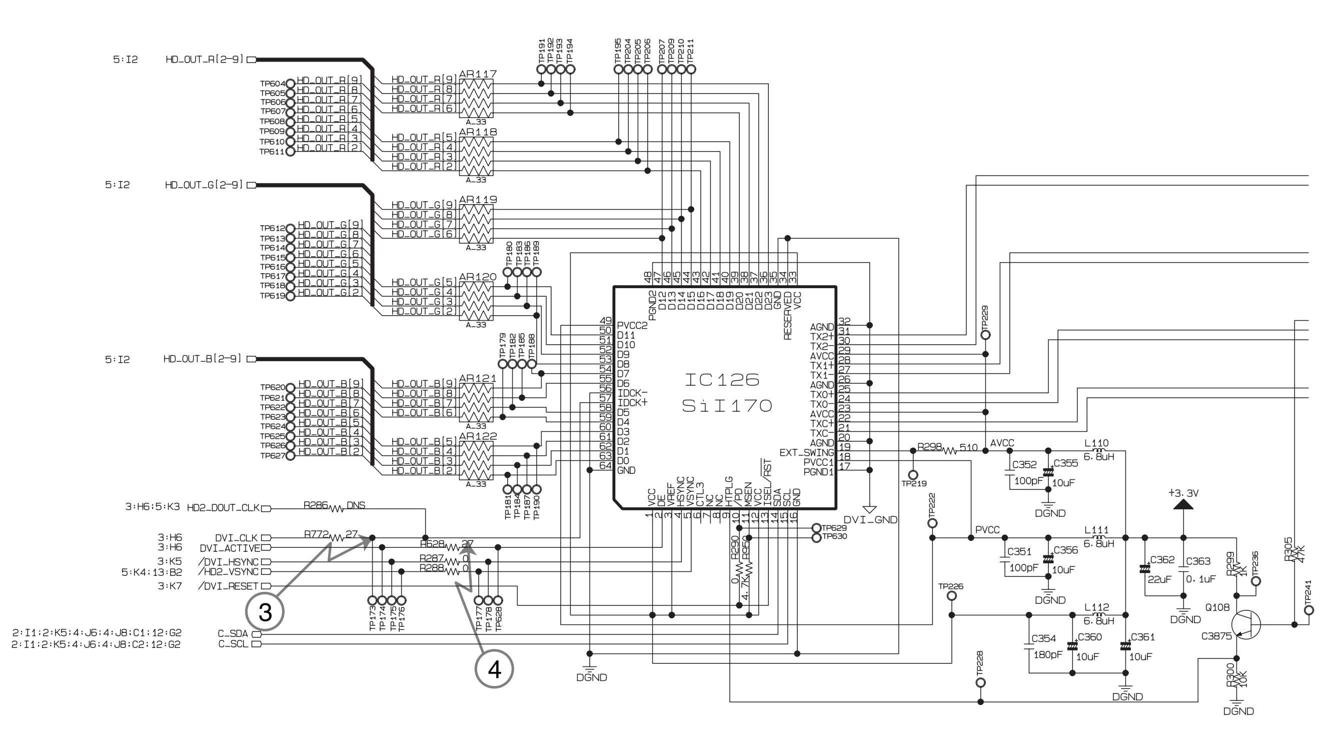


⑤ Fixed Audio_R Out

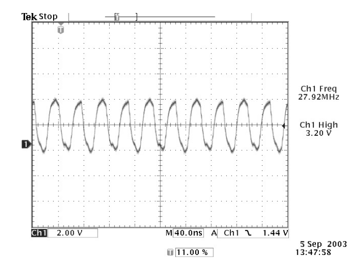


7. VIDEO IN & DVI OUT

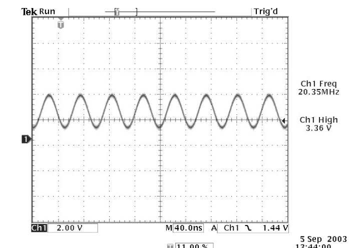




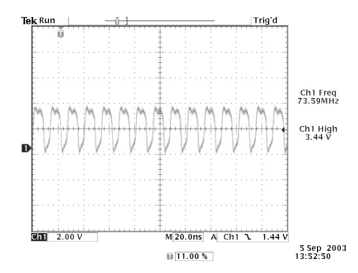
① 656 Clock



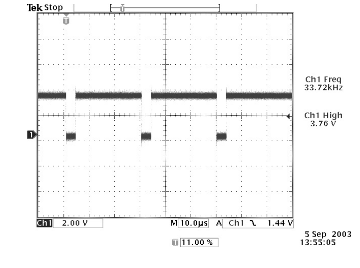
② VPX3226F X-Tal Clock



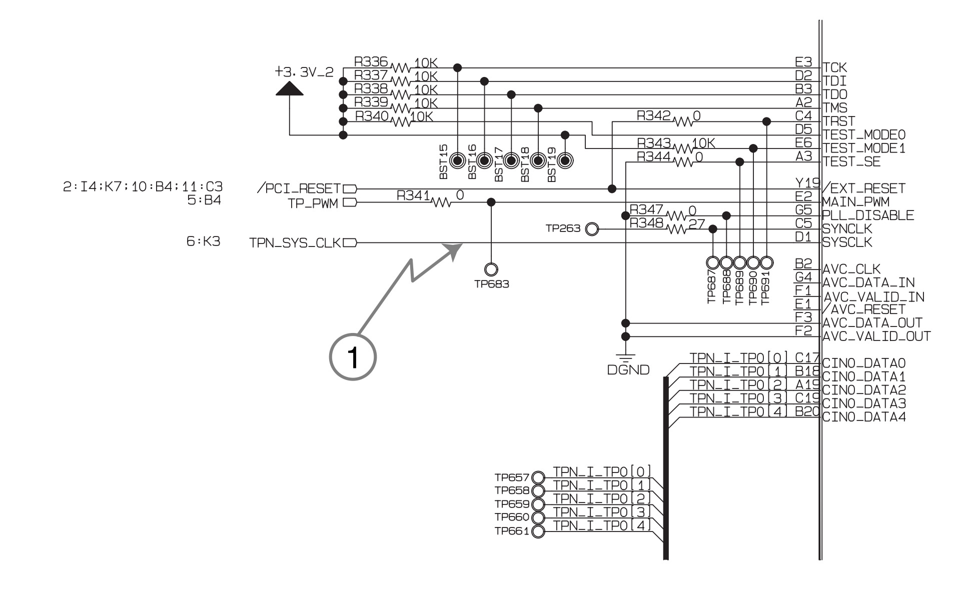
③ DVI Clock



④ Digital Video H-Sync Out



8. PVR PART-1

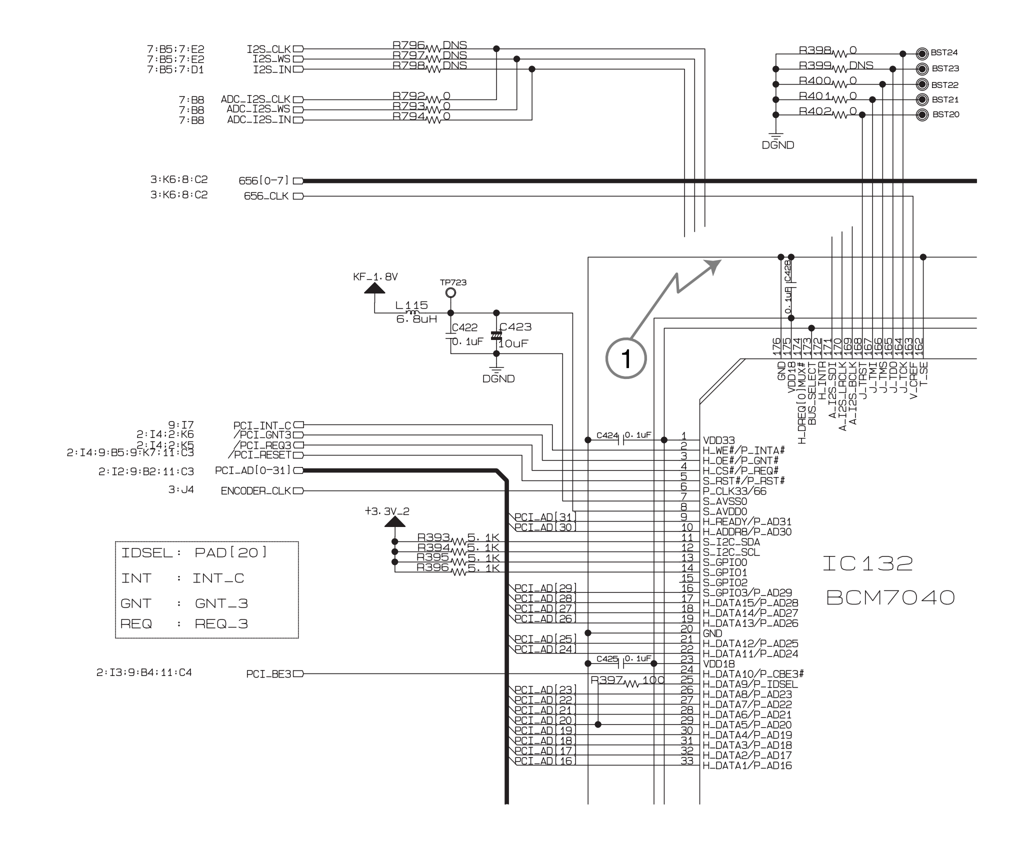


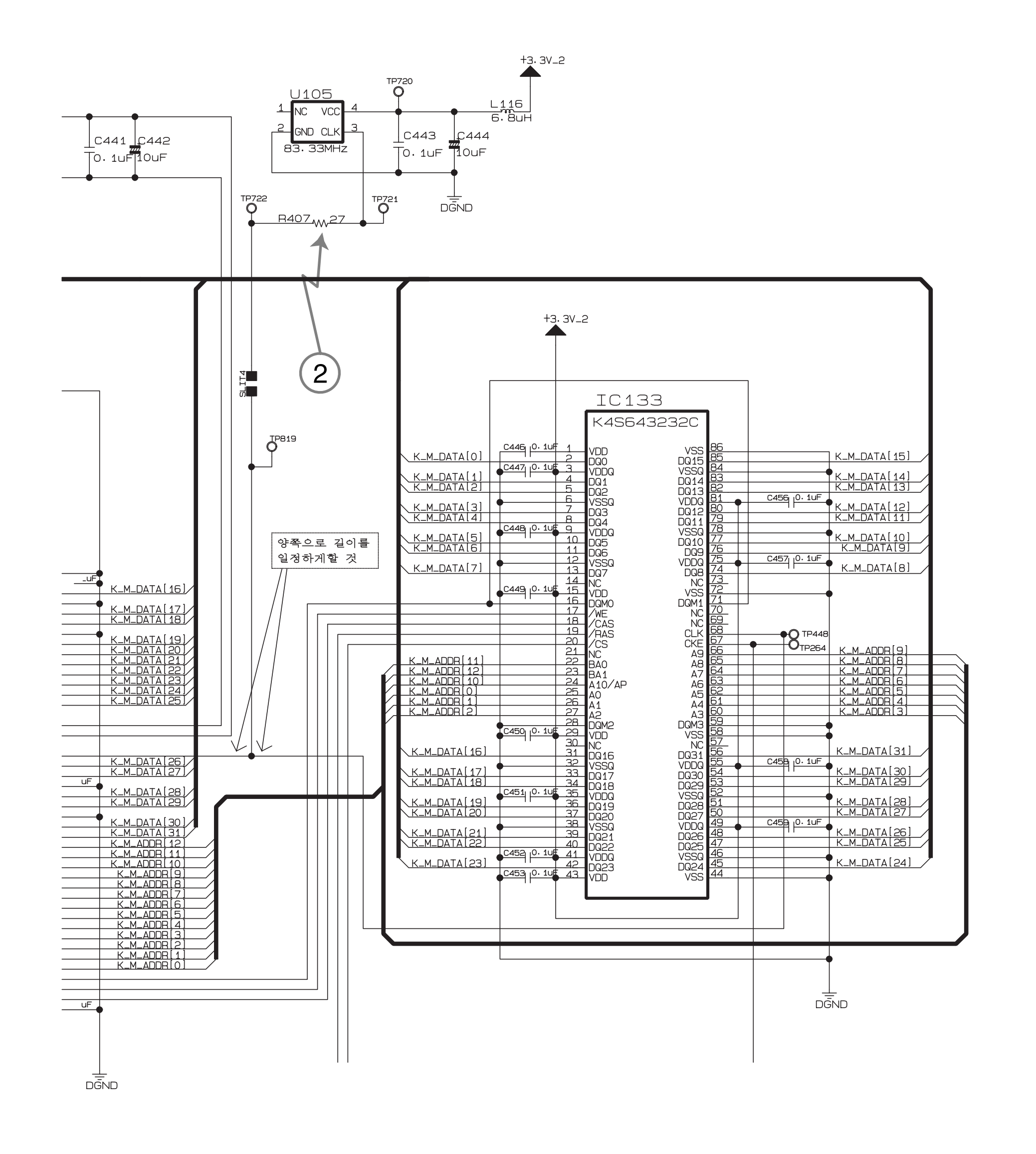
IC131 K4S641632

① SPDIF Out Signal

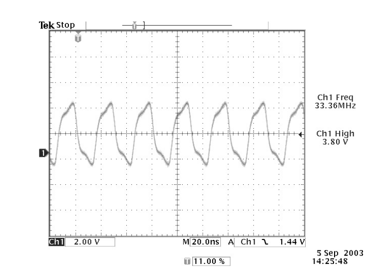
② Variable Audio_L Out

9. PVR PART-2

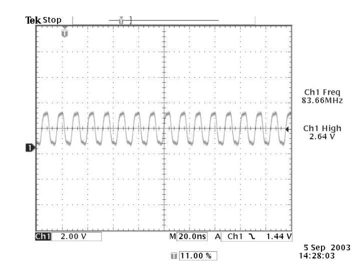




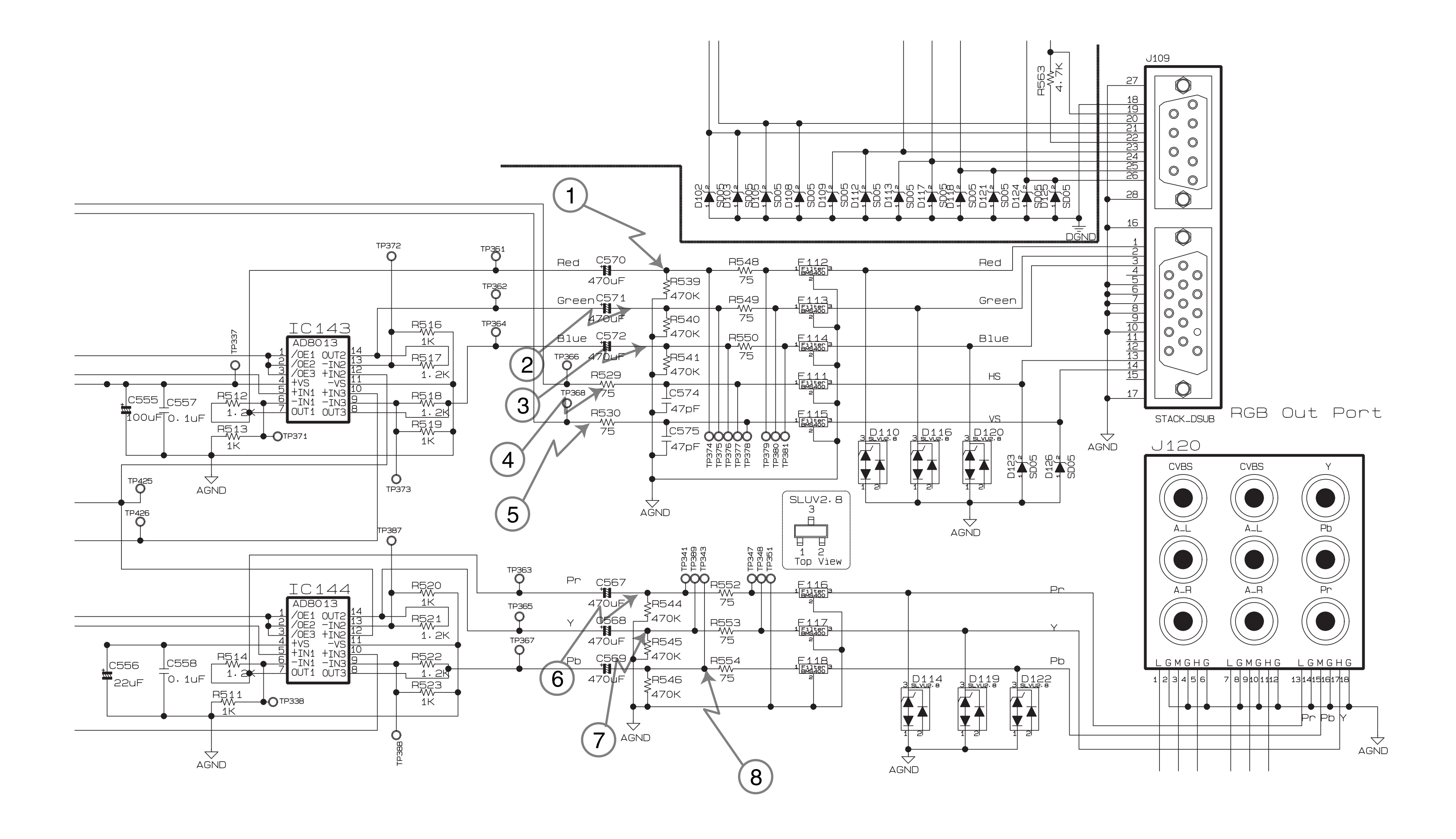
① BCM7040 Clock

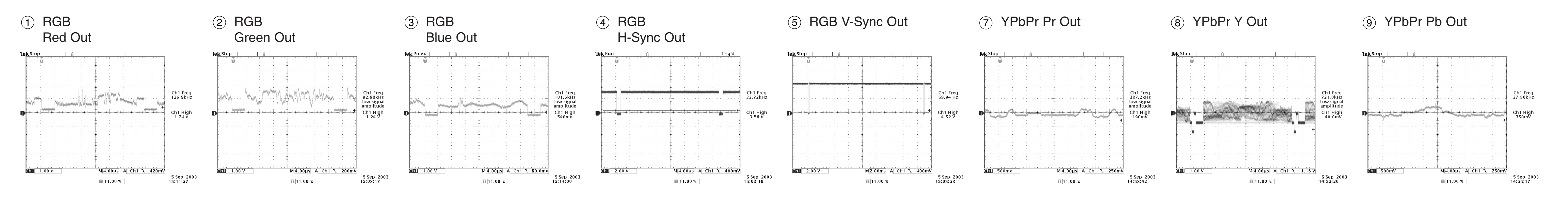


② BCM7040 Memory Clock



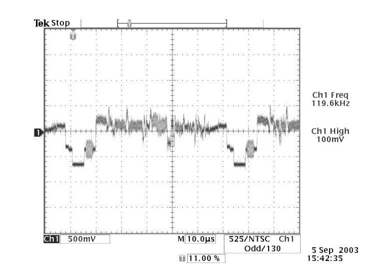
10. YPbPr, RGB OUT



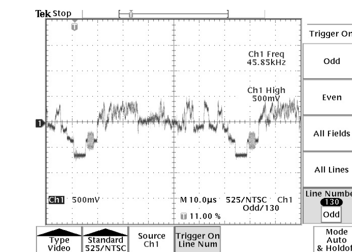


11. CVBS OUT

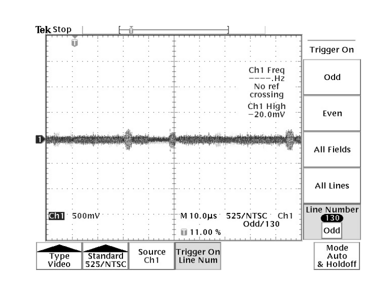
① 656 Clock



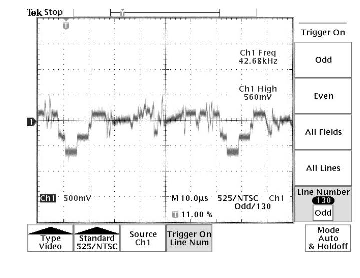
② VPX3226F X-Tal Clock



③ DVI Clock



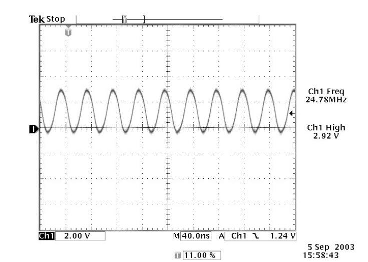
④ Digital Video H-Sync Out



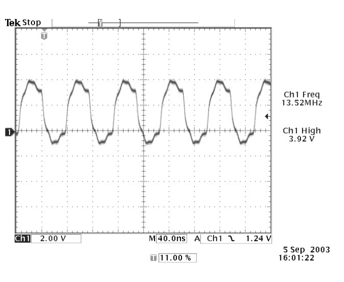
12. 1394 PART

IC146
TSB43CA42

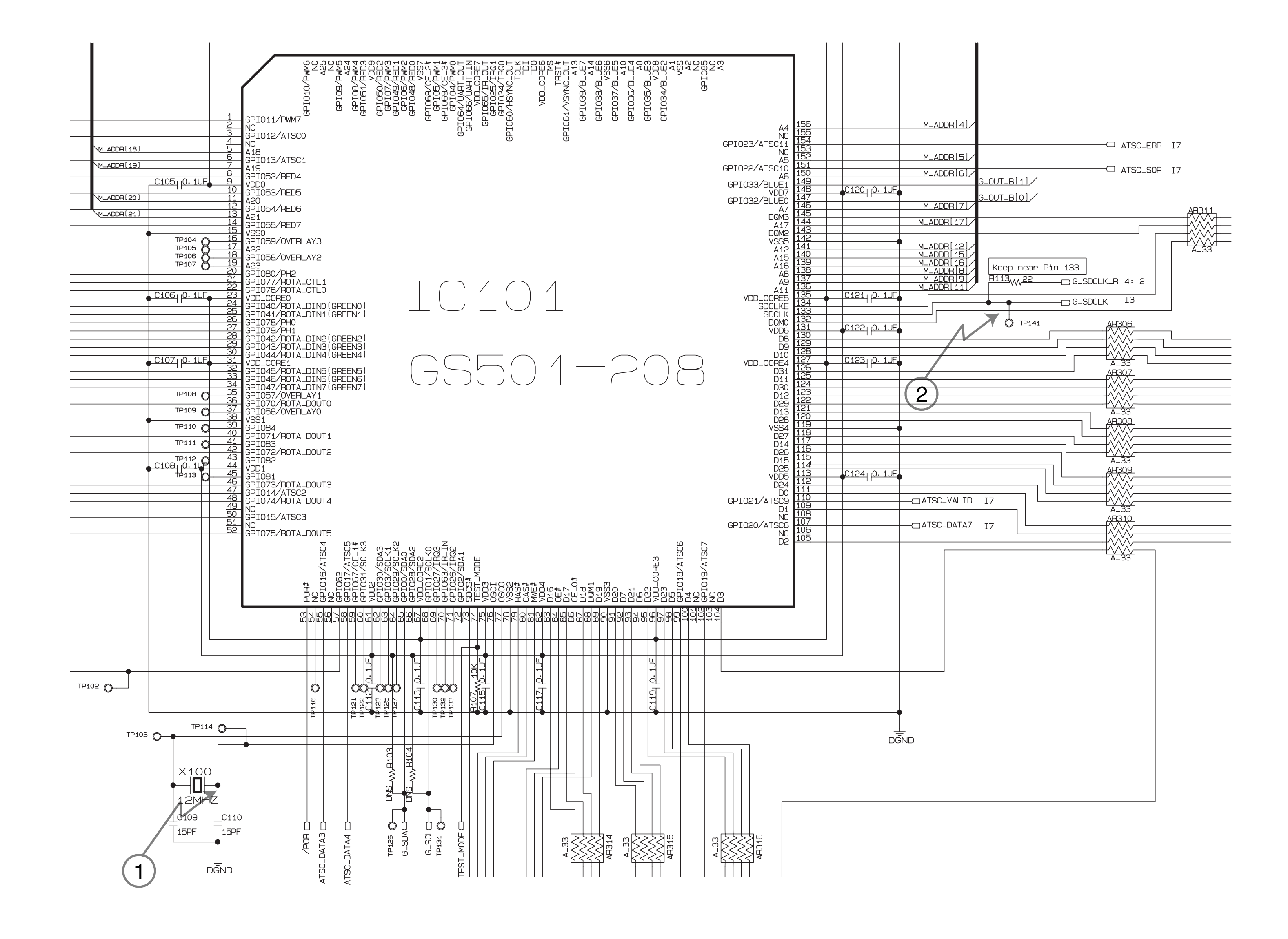
① 1394 X-Tal Clock

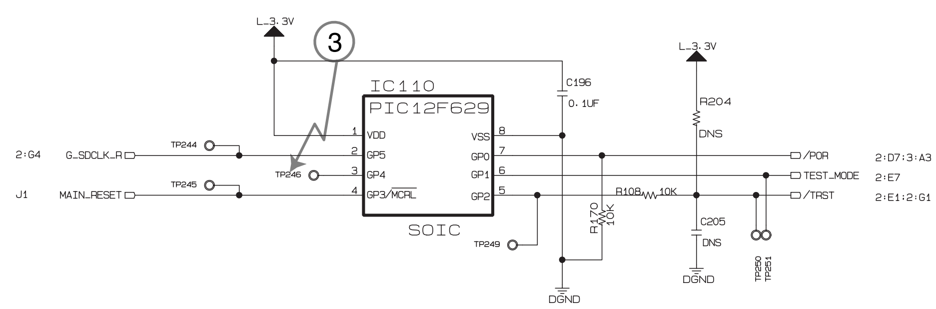


② 1394 TP Out Clock

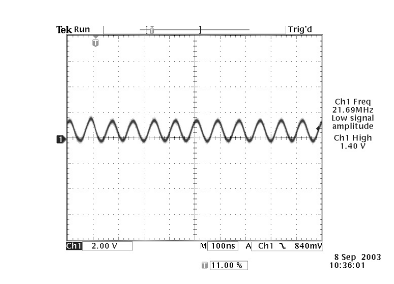


13. GEMSTAR PART

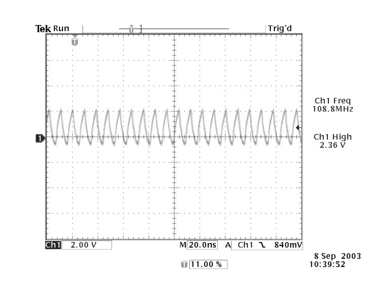




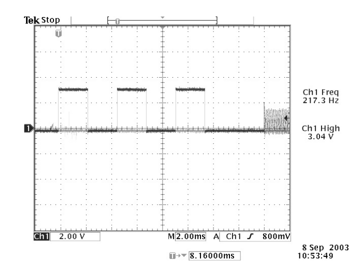
① Gemstar X-Tal Clock



② Gemstar Memory Clock



③ Gemstar Memory Clock to MiCOM

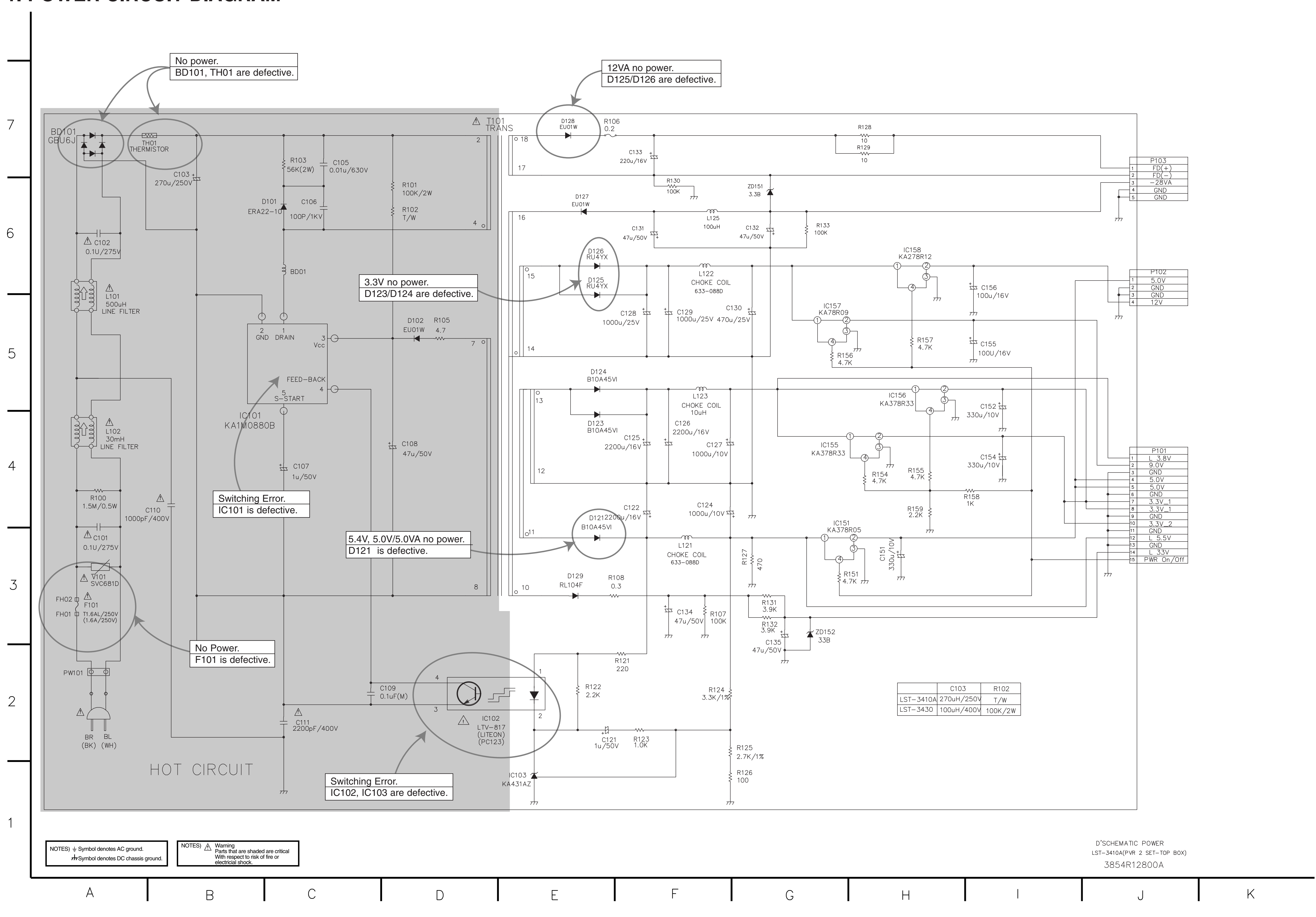


MEMO

MEMO

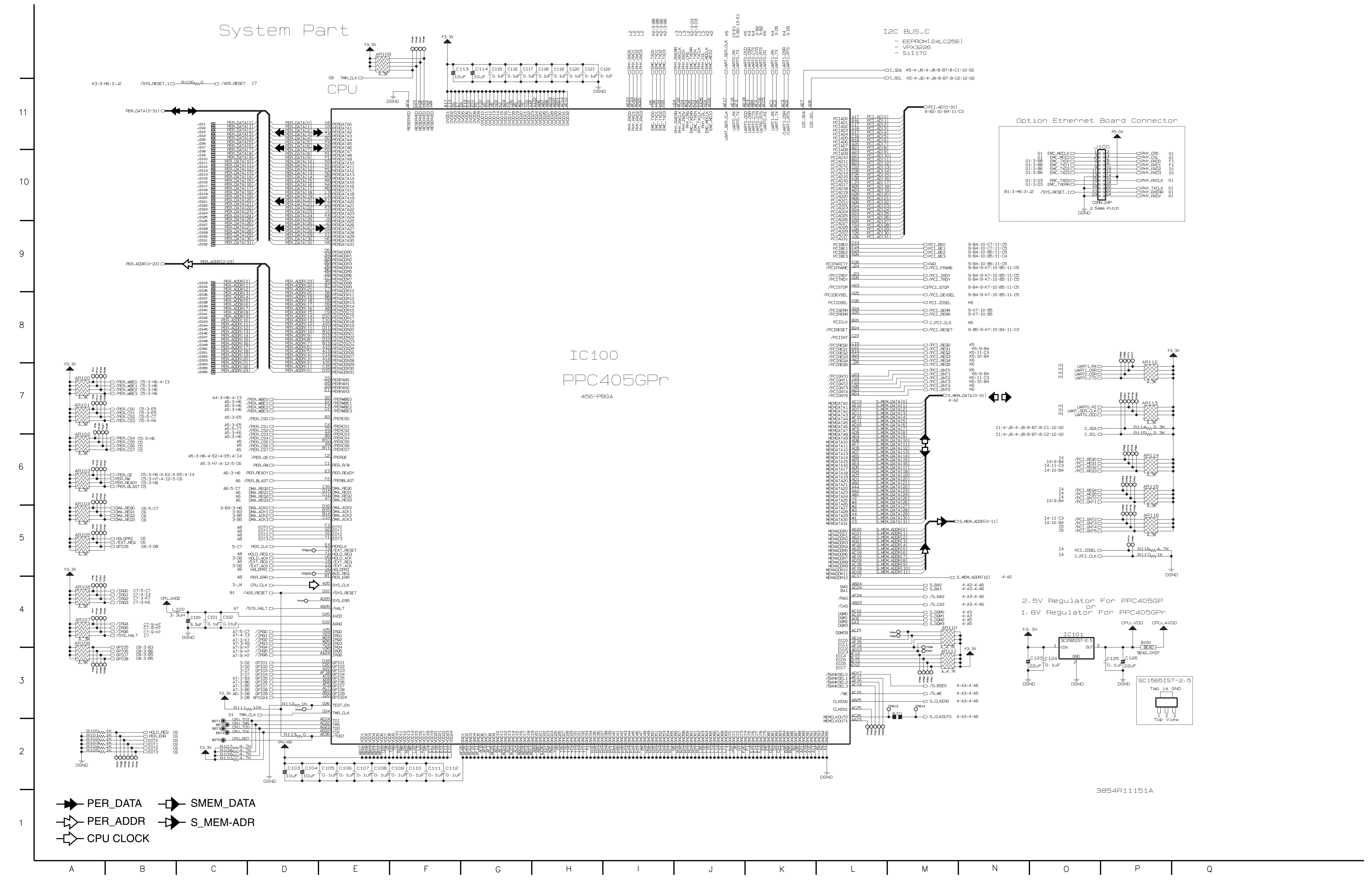
CIRCUIT DIAGRAMS

1. POWER CIRCUIT DIAGRAM

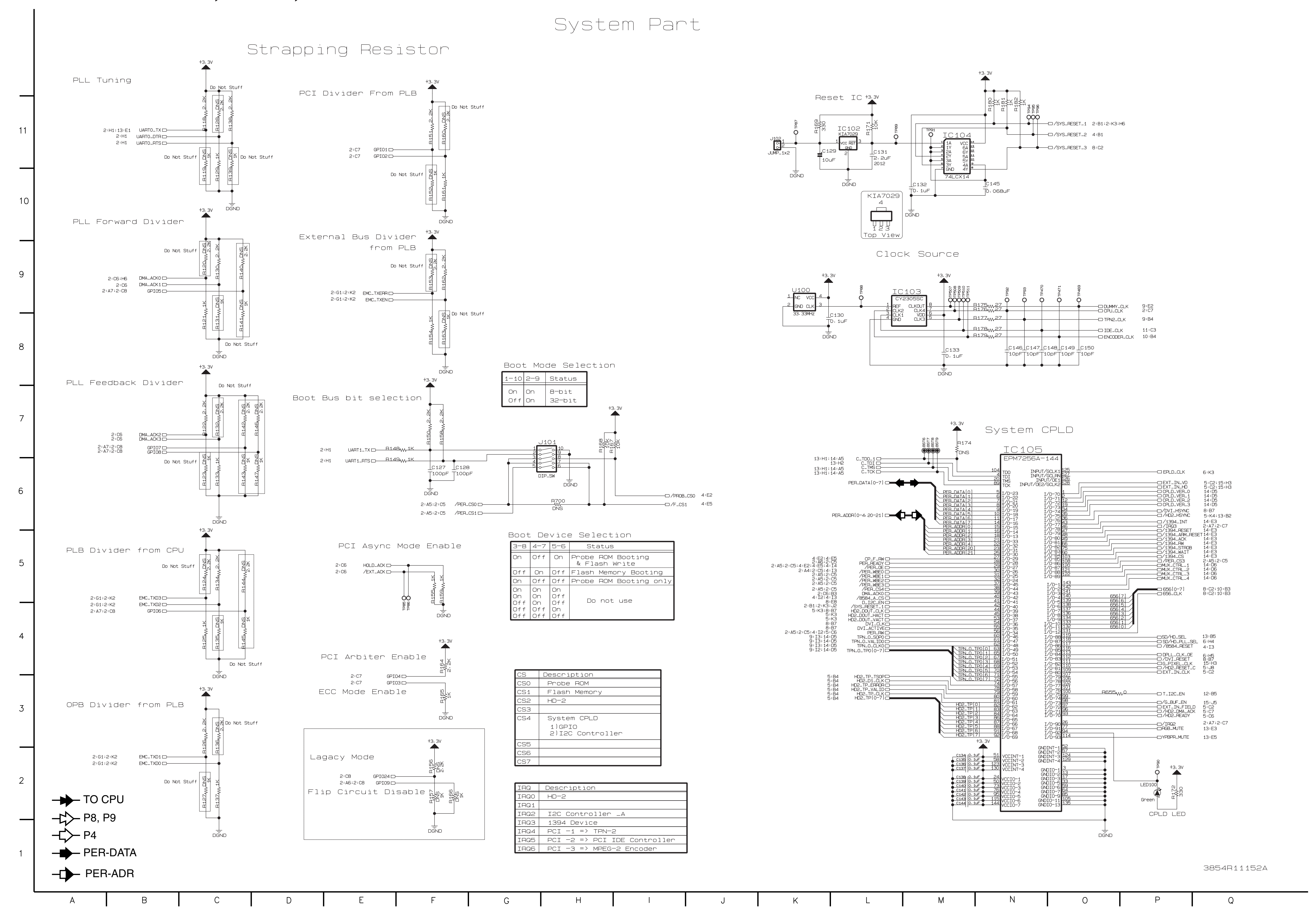


	C103	R102
LST-3410A	270uH/250V	T/W
LST-3430	100uH/400V	100K/2W

2. CPU CIRCUIT DIAGRAM 1



3. BOOT STRAPPING, CLOCK, CPLD CIRCUIT DIAGRAM



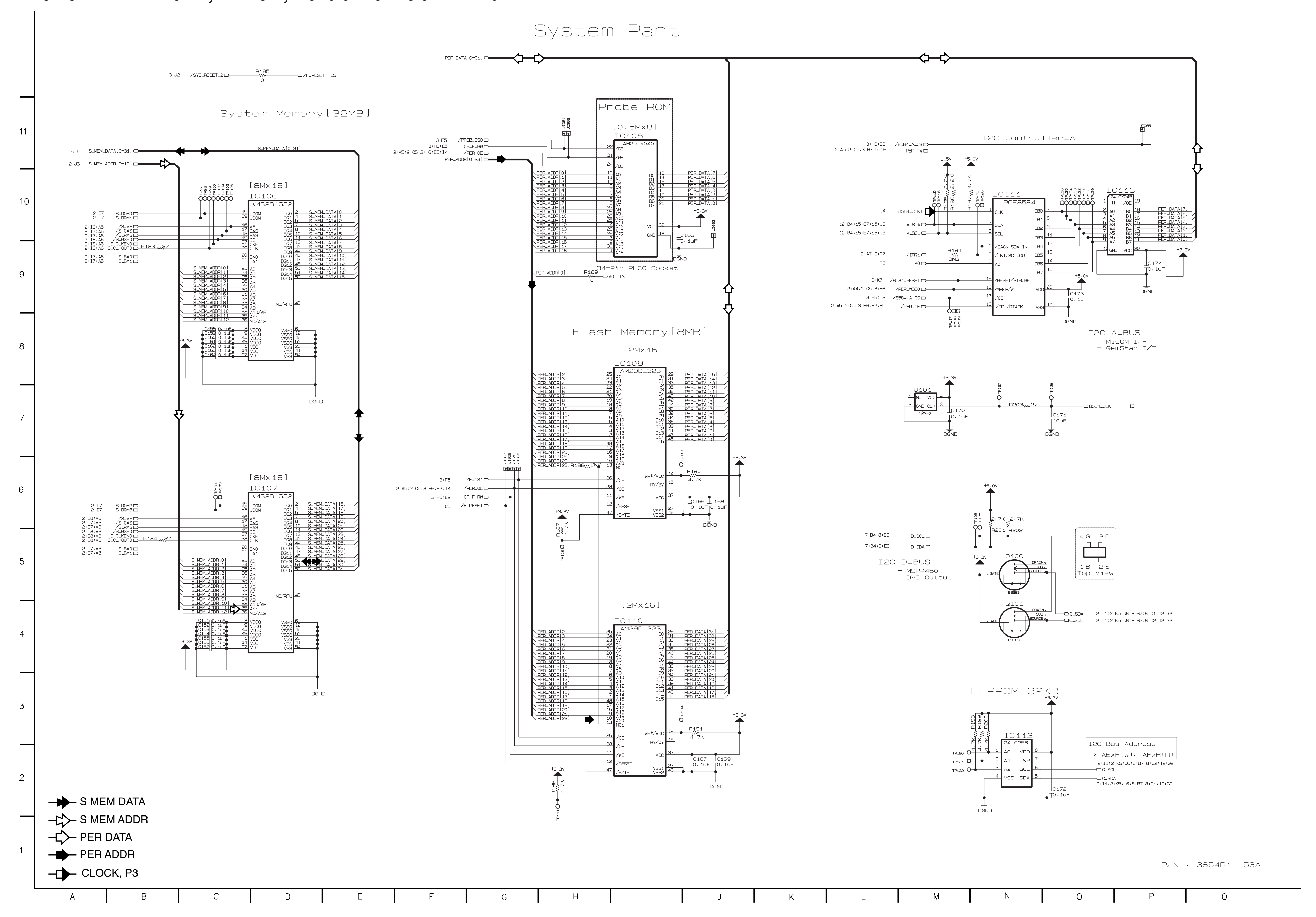
1-10	2-9	Status
On	On	8-bit
Off	On	32-bit

3-8	4-7	5-6	Status
On	Off	On	Probe ROM Booting & Flash Write
Off	On	Off	Flash Memory Booting
On	Off	Off	Probe ROM Booting only
On On Off Off Off	On Off On Off Off	On Off Off On Off	Do not use

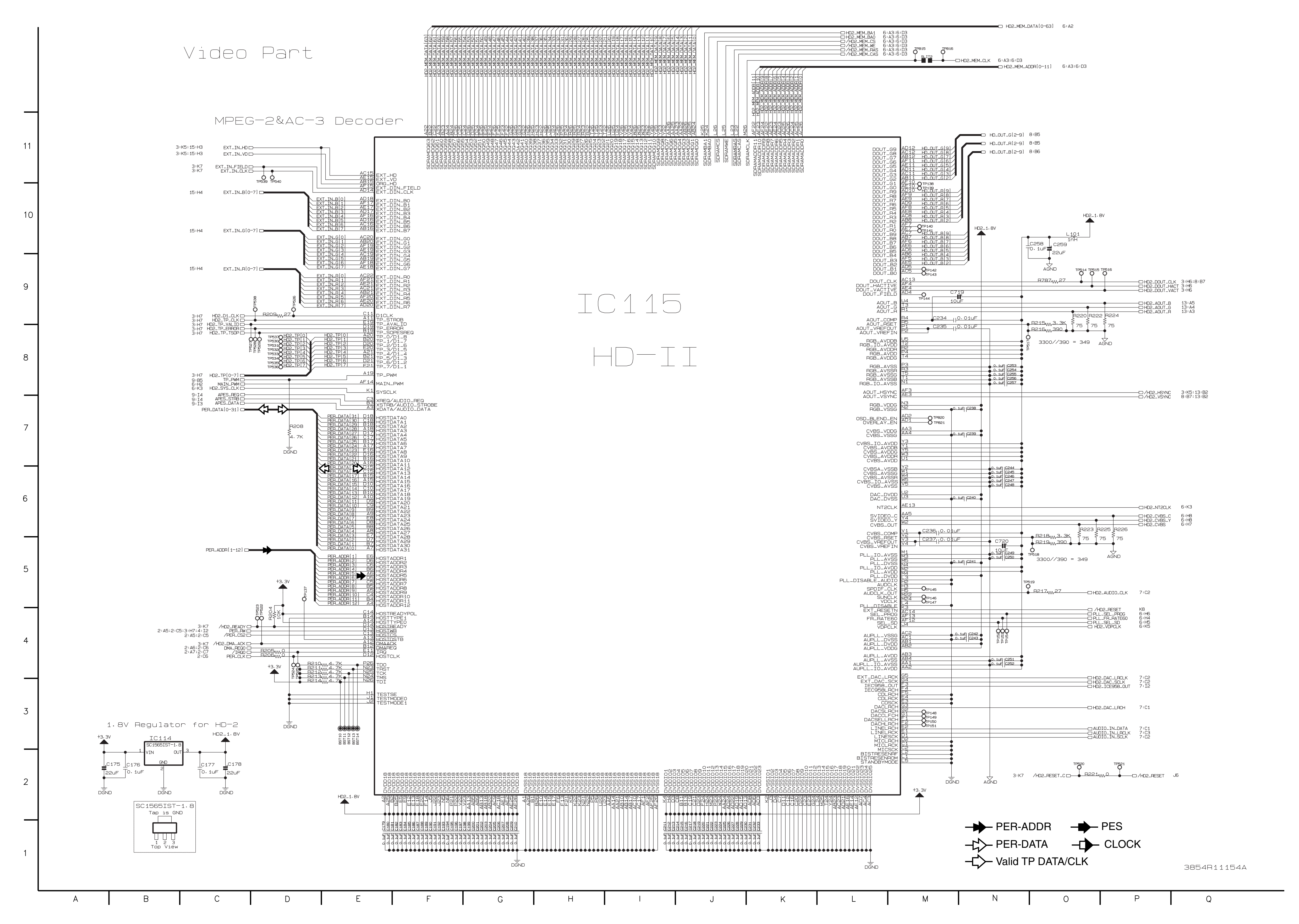
CS	Description
CS0	Probe ROM
CS1	Flash Memory
CS2	HD-2
CS3	
CS4	System CPLD 1)GPIO 2)I2C Controller
CS5	
CS6	
CS7	

IRQ	Description
IRQ0	HD-2
IRQ1	
IRQ2	I2C Controller _A
IRQ3	1394 Device
IRQ4	PCI -1 => TPN-2
IRQ5	PCI -2 => PCI IDE Controller
IRQ6	PCI -3 => MPEG-2 Encoder

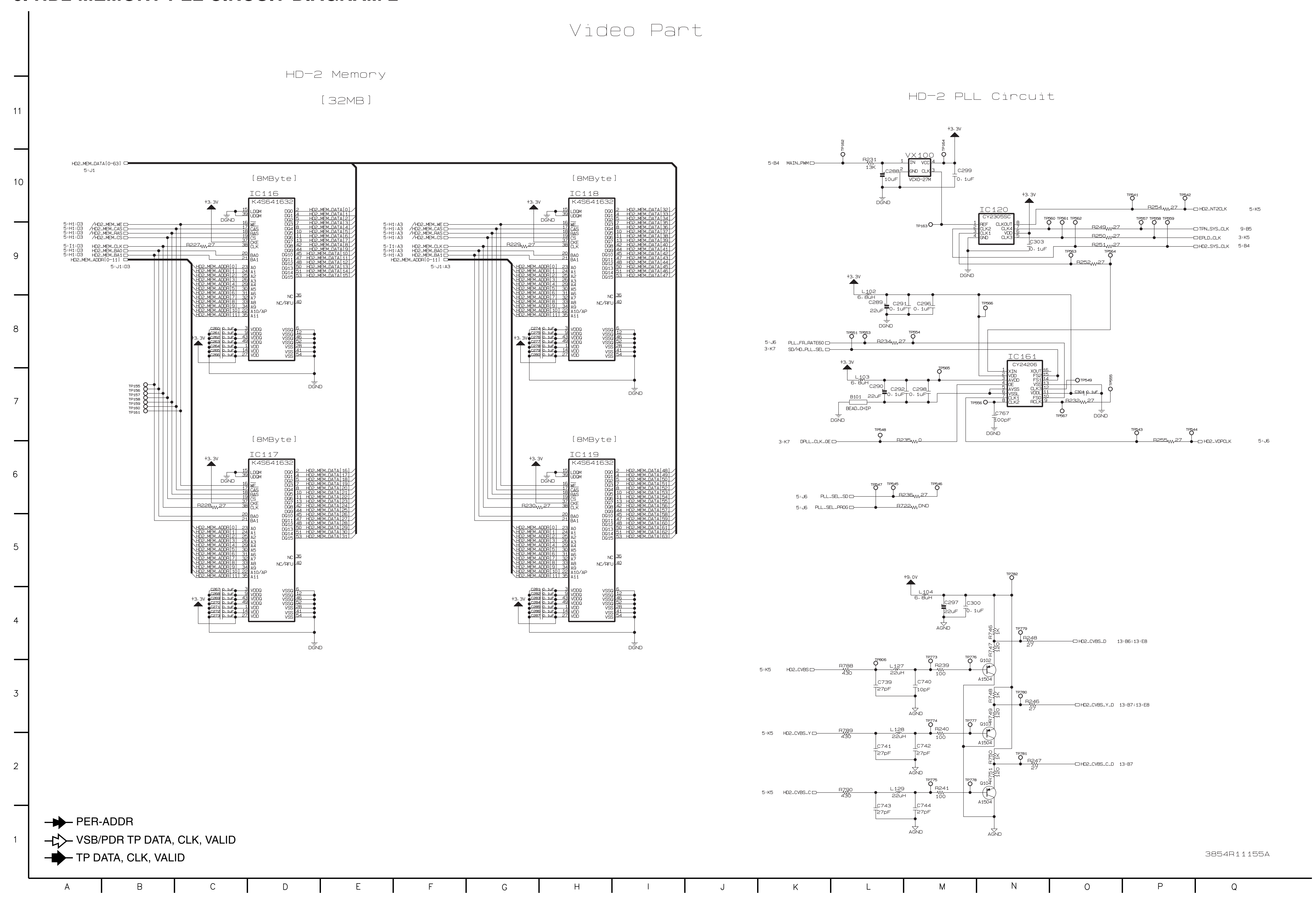
4. SYSTEM MEMORY, FLASH, I²C COT CIRCUIT DIAGRAM



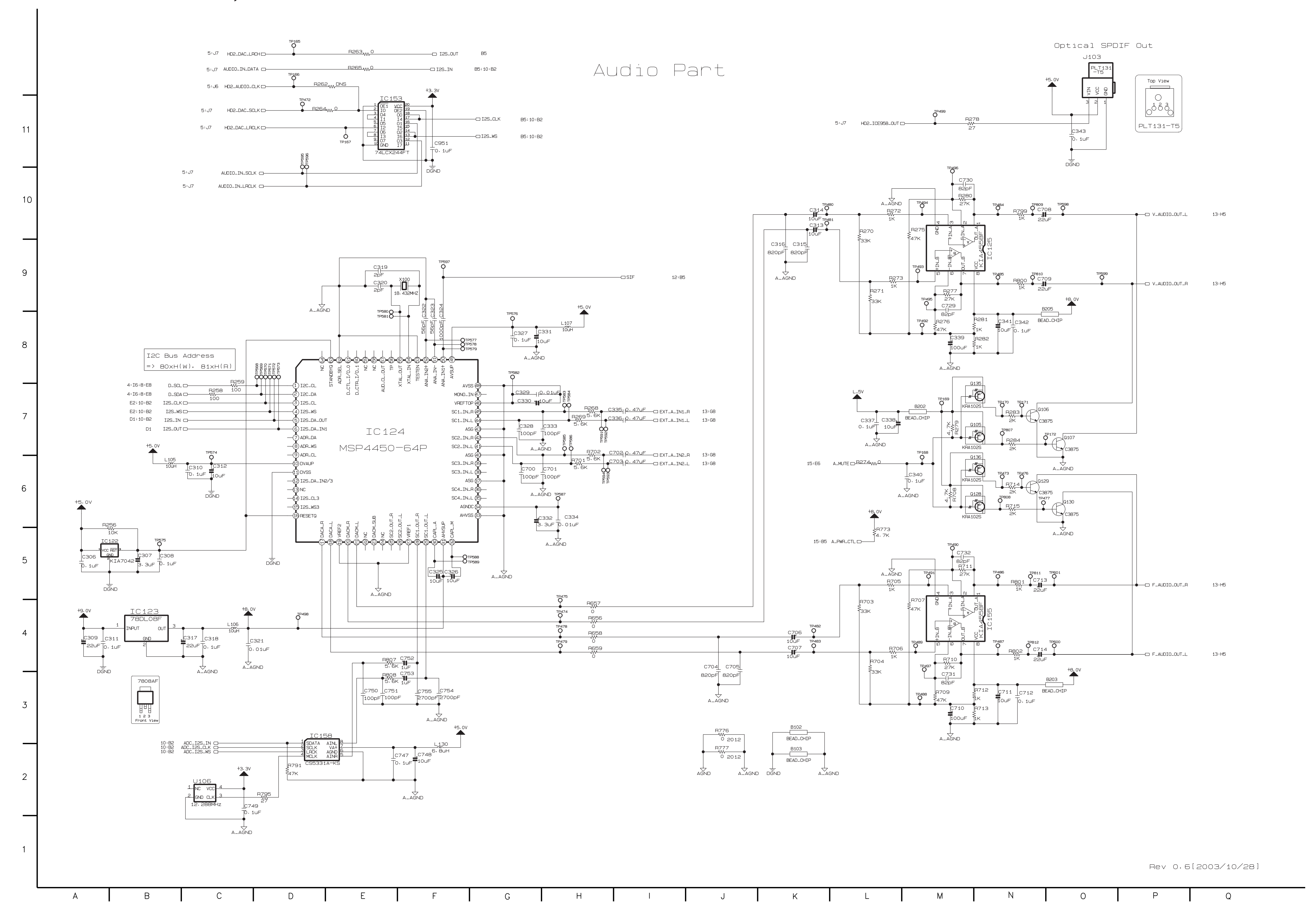
5. HD-II CIRCUIT DIAGRAM



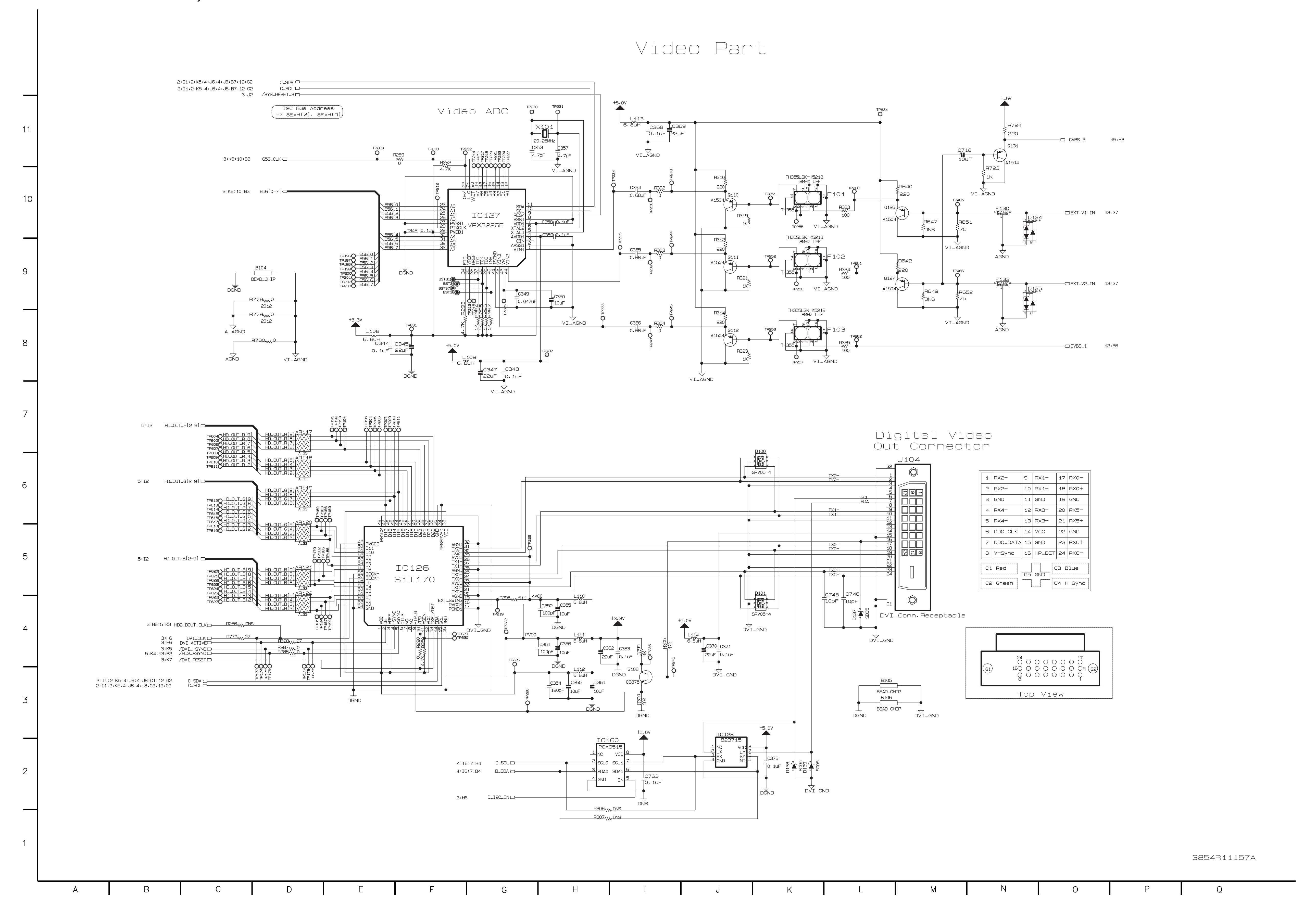
6. HD2 MEMORY PLL CIRCUIT DIAGRAM 2



7. AUDIO PROCESSOR, SPDIF OUT CIRCUIT DIAGRAM



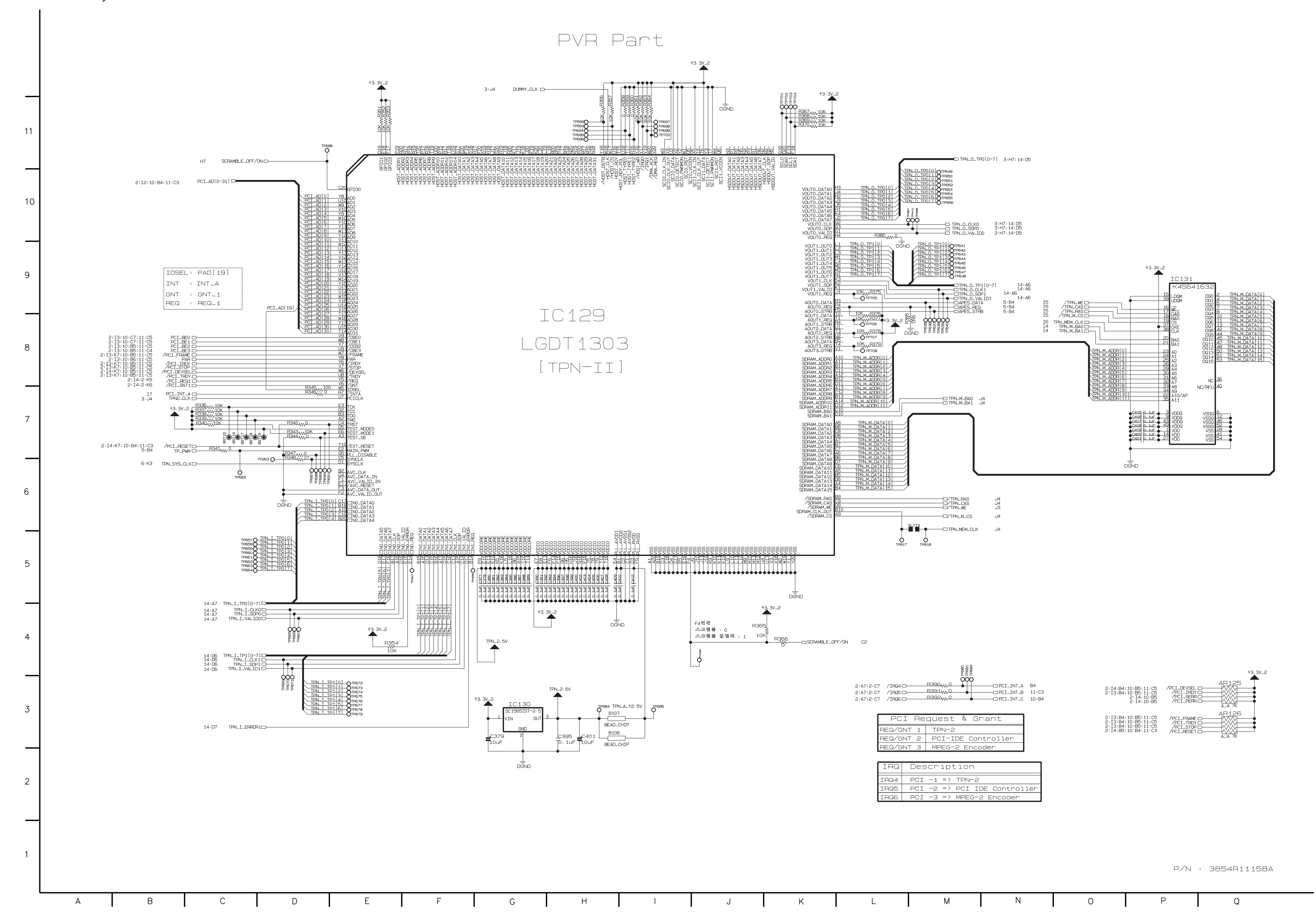
8. NTSC DECODER, DVI OUTPUT CIRCUIT DIAGRAM



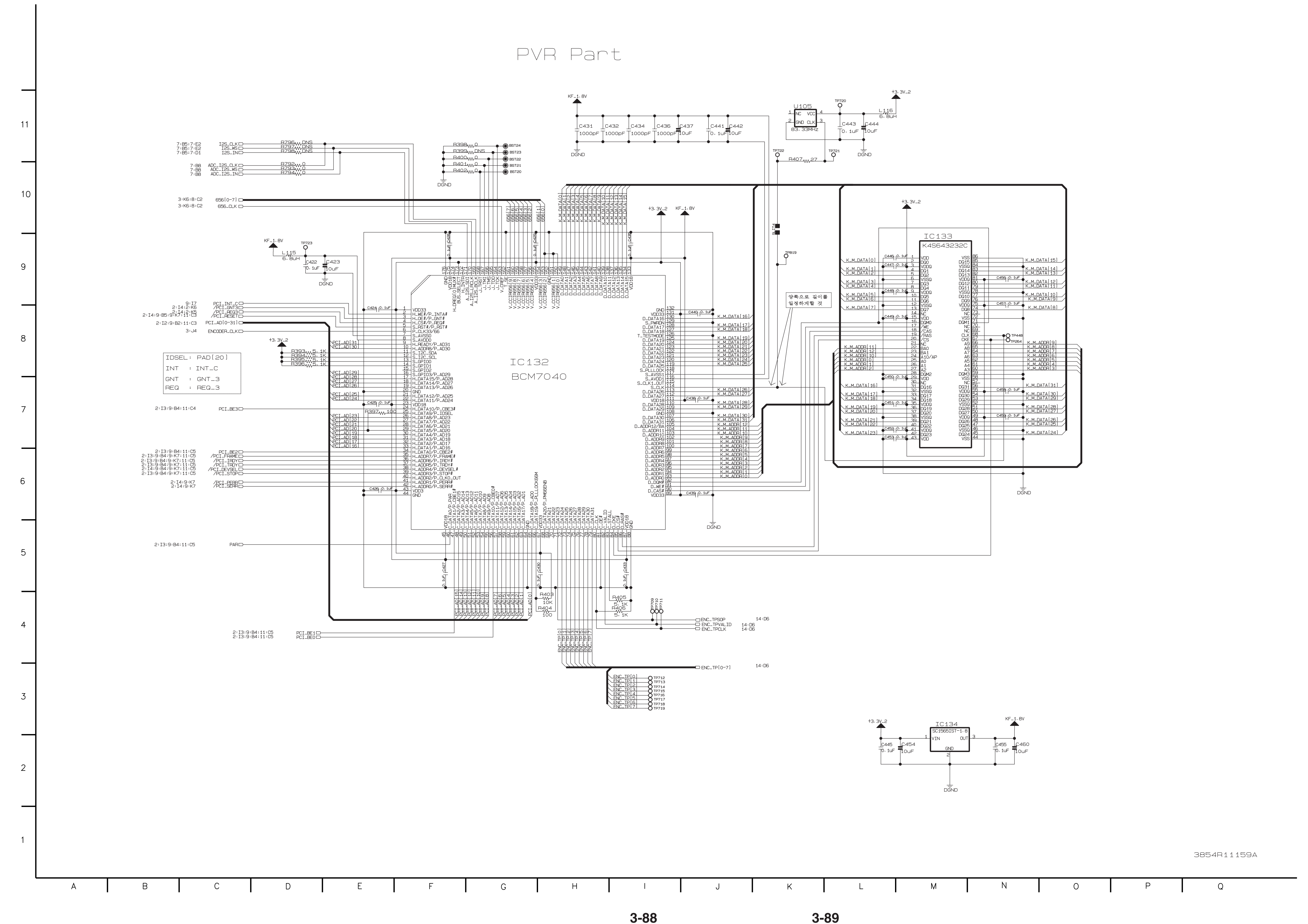
1	RX2-	9	RX1-	17	RX0-
2	RX2+	10	RX1+	18	RX0+
3	GND	11	GND	19	GND
4	RX4-	12	RX3-	20	RX5-
5	RX4+	13	RX3+	21	RX5+
6	DDC_CLK	14	VCC	22	GND
7	DDC_DATA	15	GND	23	RXC+
8	V-Sync	16	HP_DET	24	RXC-

C1 Red		C3 Blue
	C5 GND	
C2 Green		C4 H-Sync

9. TPN-II, MEMORY CIRCUIT DIAGRAM



10. MPEG ENCODER & MEMORY CIRCUIT DIAGRAM



11. PCI2IDE CONTROLLER CIRCUIT DIAGRAM

PVR Part

IC135
ARS0303D

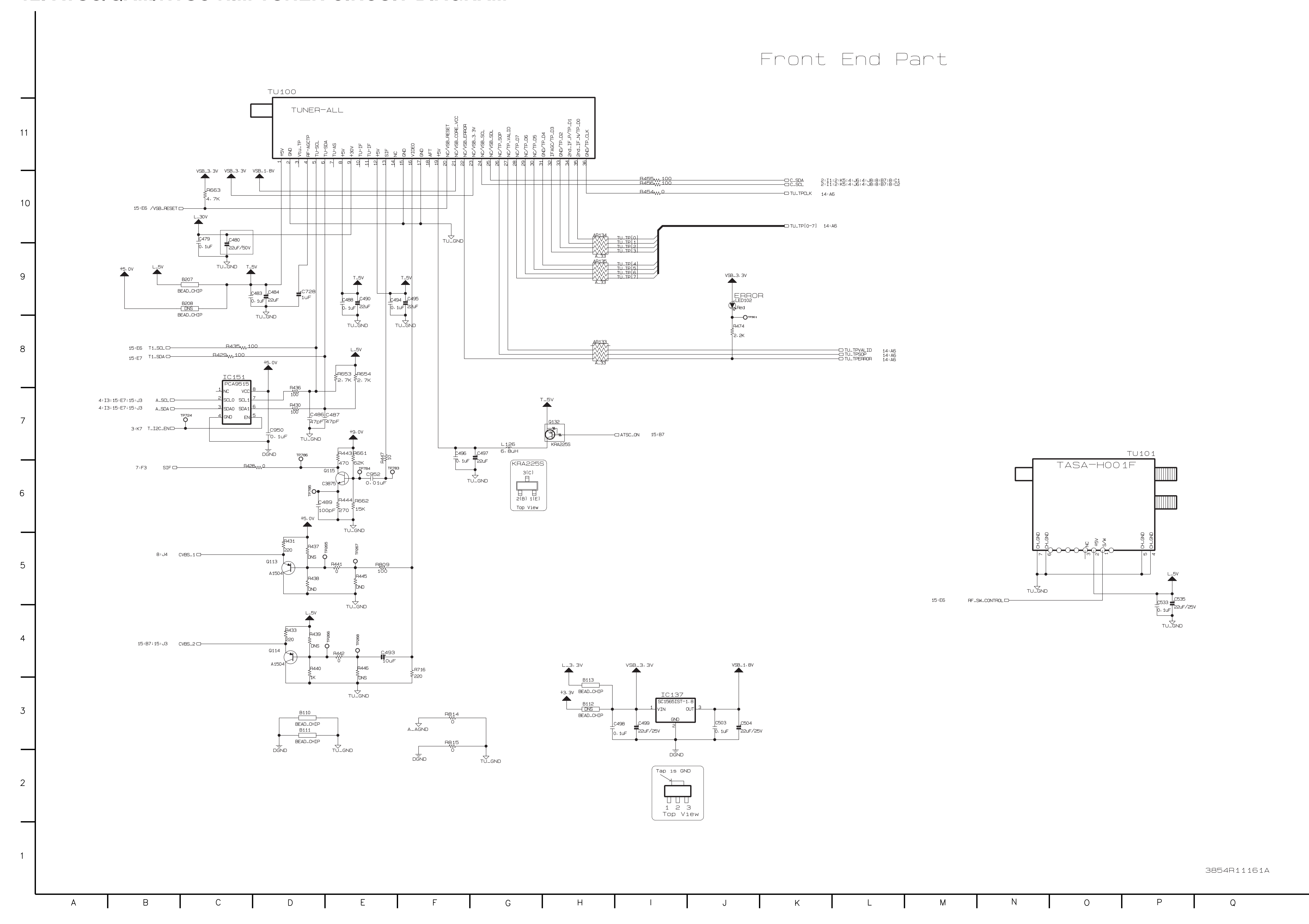
IDSEL : PAD[22]
INT : INT_B
GNT : GNT_2
REQ : REQ_2

IDE Connector
J107

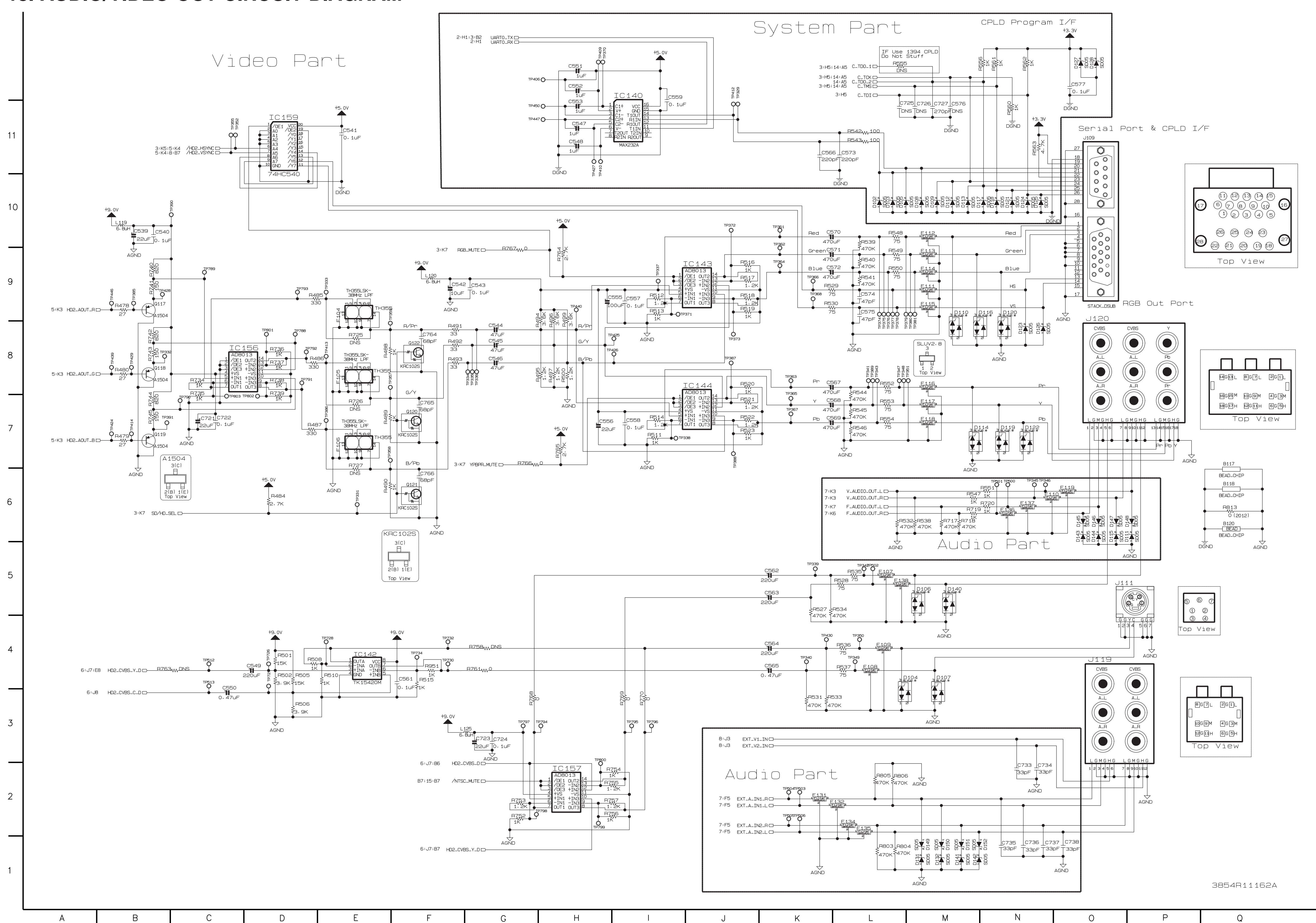
HDD LED
LED101
Red

3854R11160A

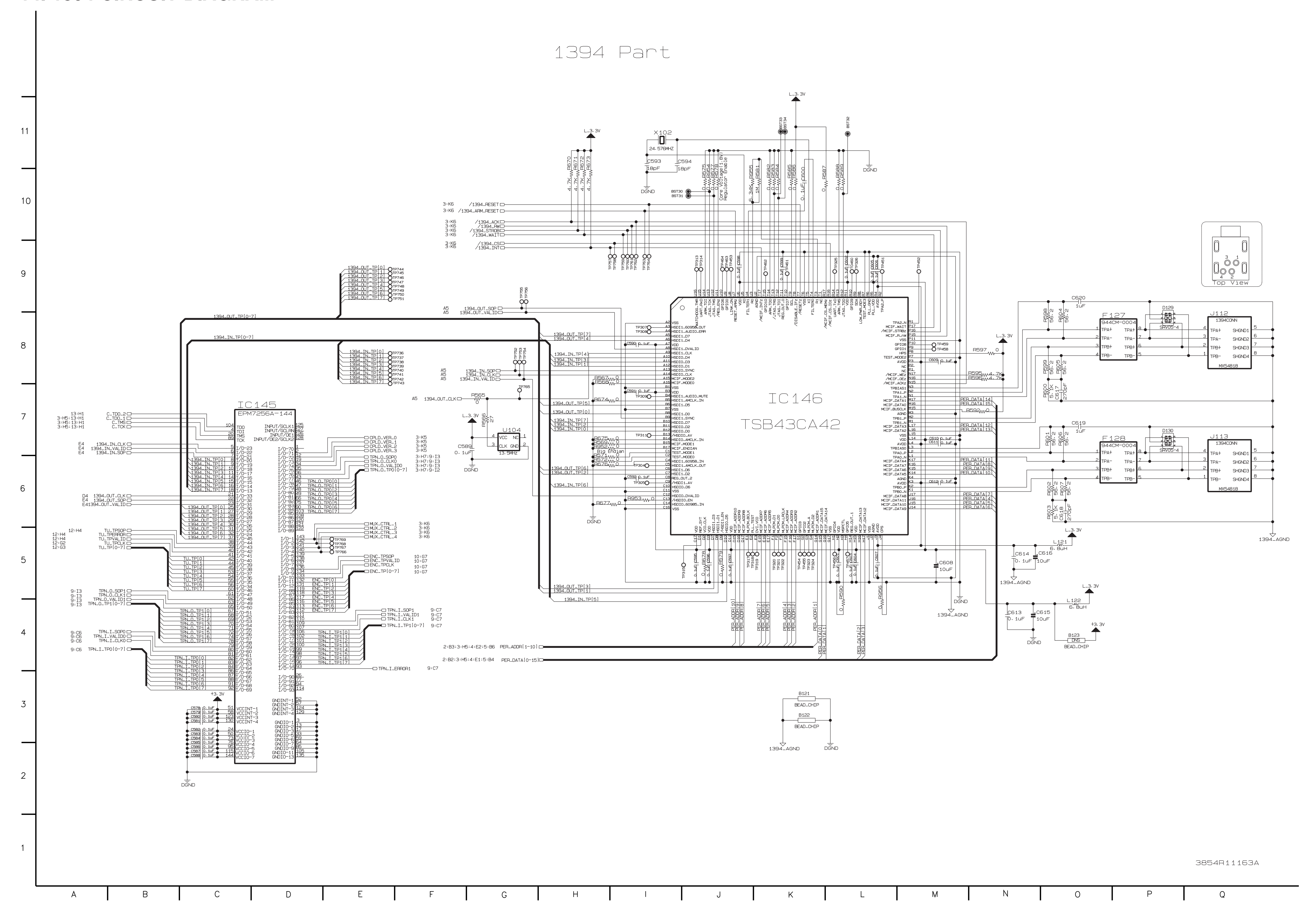
12. ATSC/QAM/NTSC NIM TUNER CIRCUIT DIAGRAM



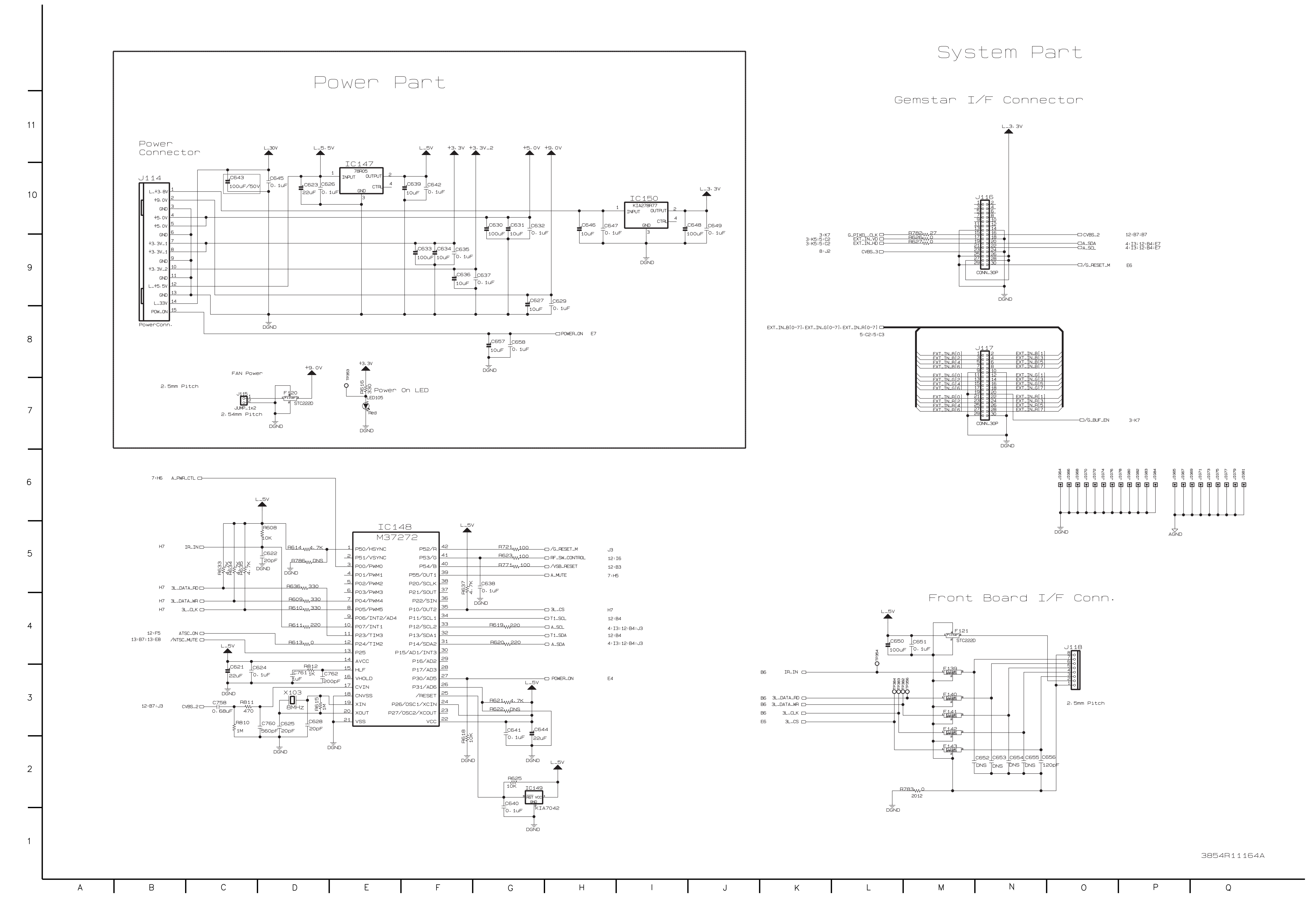
13. AUDIO/VIDEO OUT CIRCUIT DIAGRAM



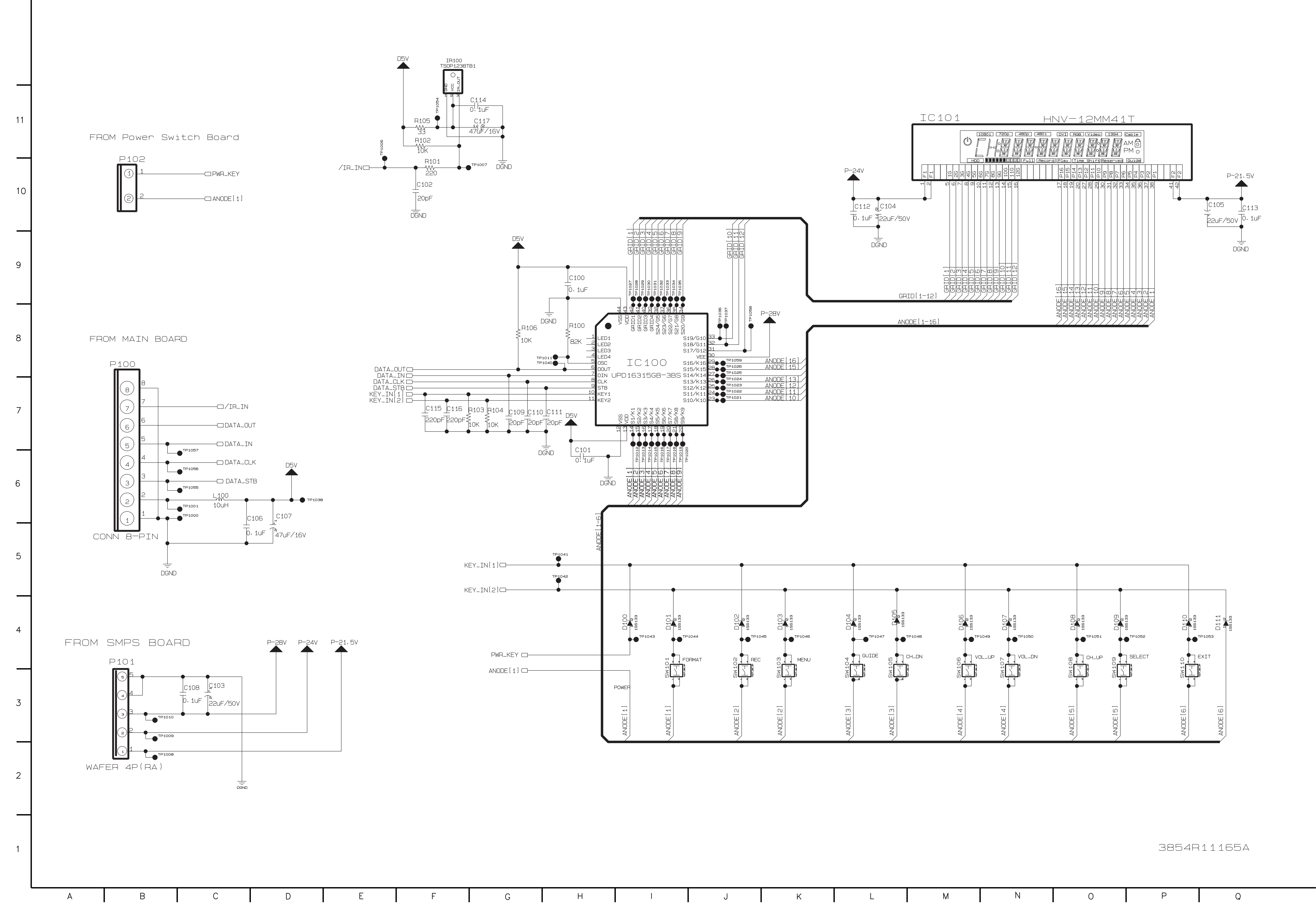
14. 1394 CIRCUIT DIAGRAM



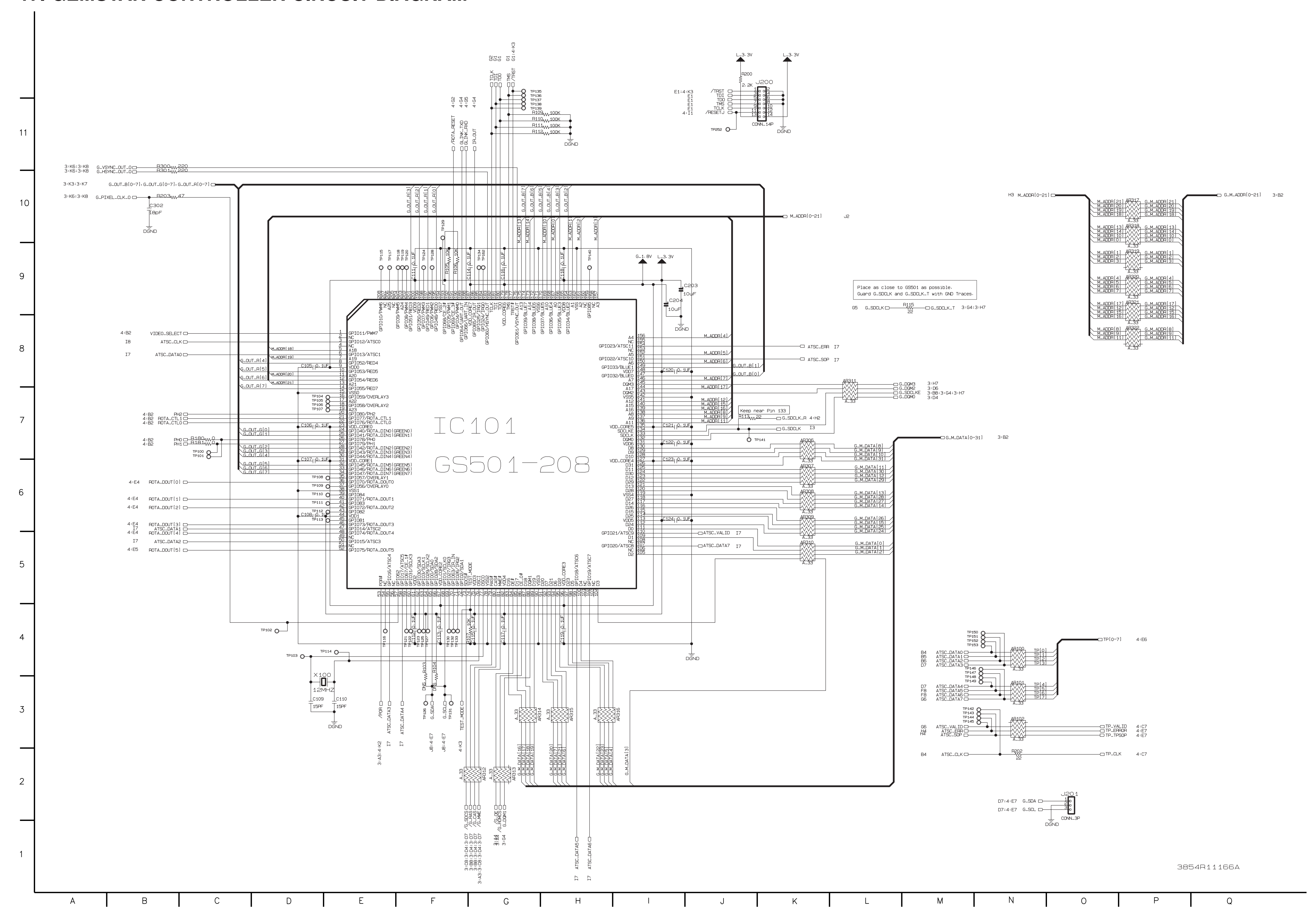
15. MICOM, POWER I/F, FRONT I/F CIRCUIT DIAGRAM



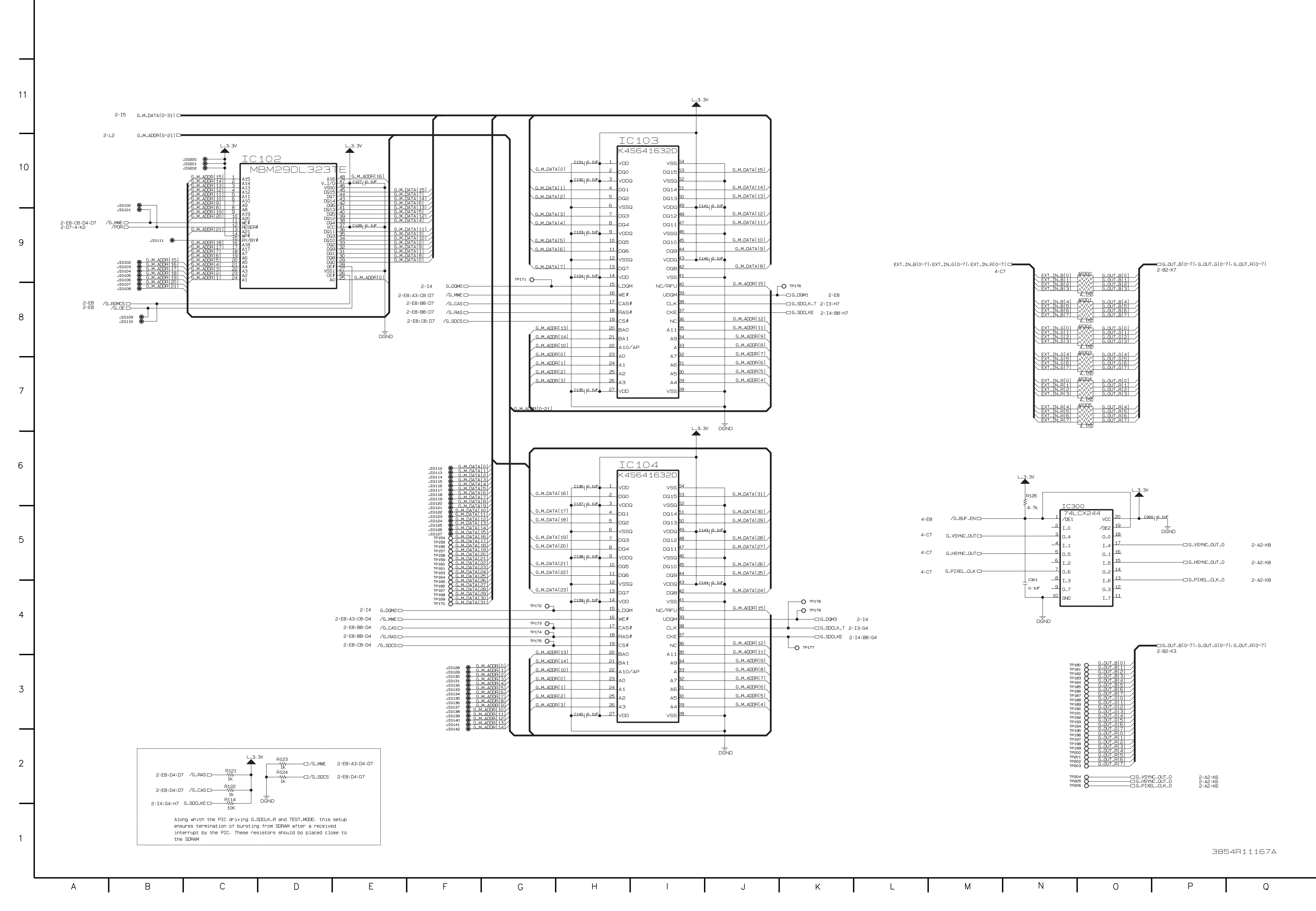
16. FRONT CIRCUIT DIAGRAM



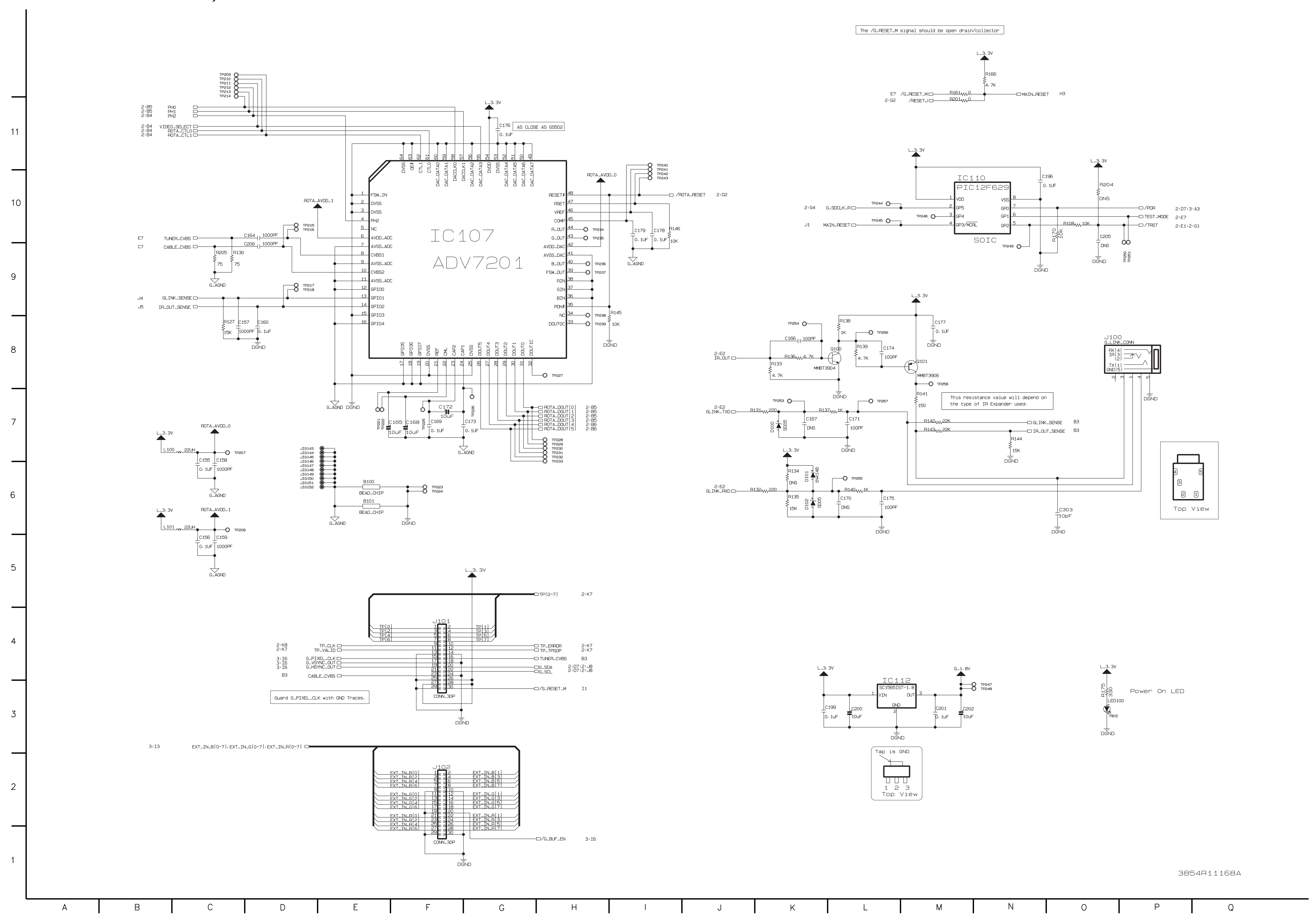
17. GEMSTAR CONTROLLER CIRCUIT DIAGRAM



18. GEMSTAR MEMORY CIRCUIT DIAGRAM

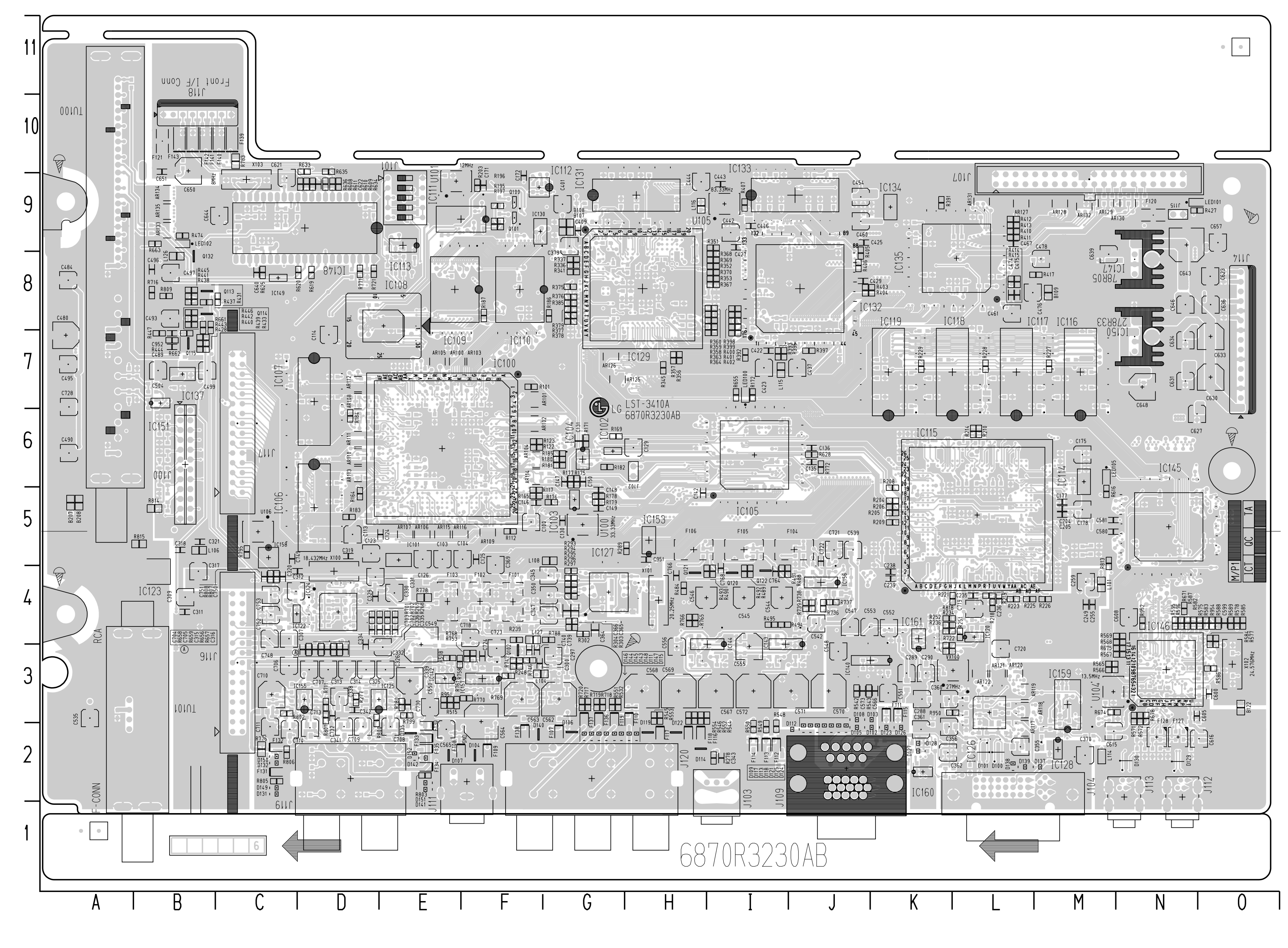


19. GEMSTAR MICOM, I/F CIRCUIT DIAGRAM

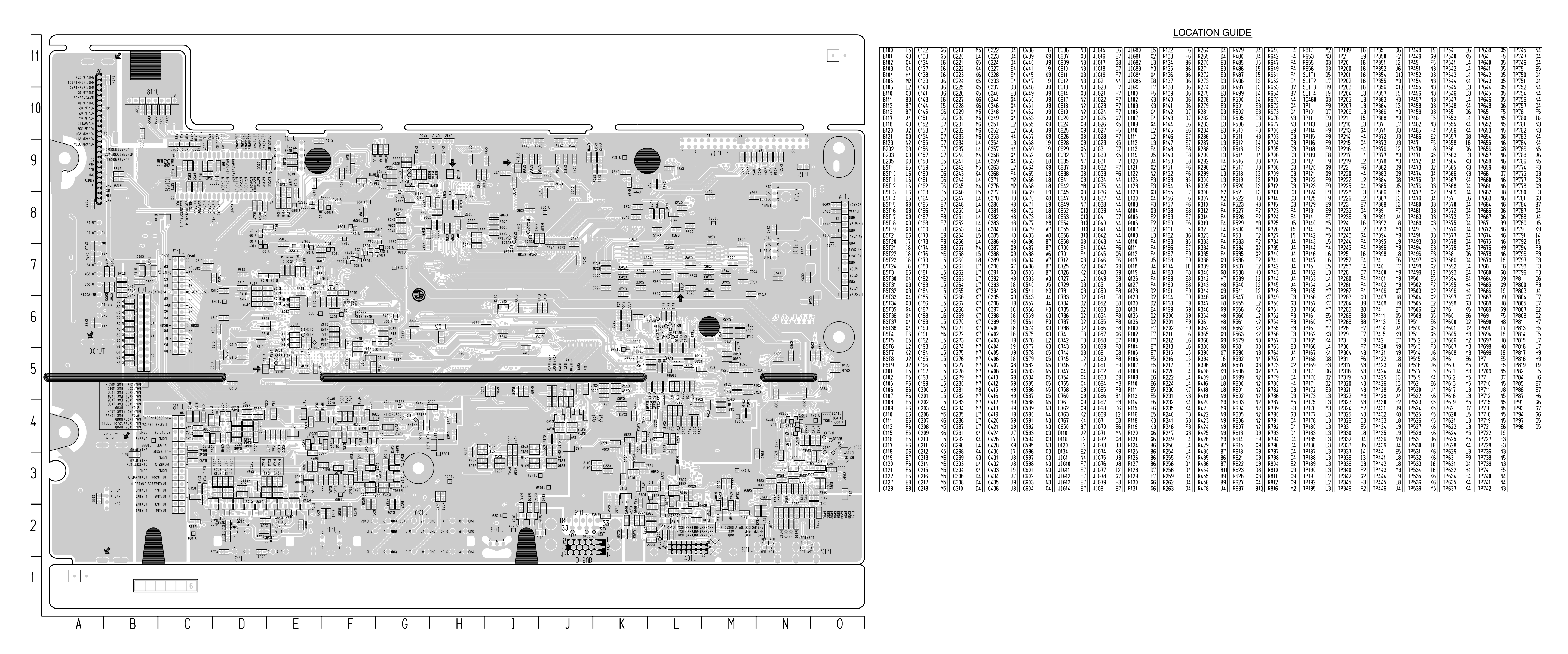


PRINTED CIRCUIT DIAGRAMS

1. DIGITAL MAIN PRINTED CIRCUIT DIAGRAMS(TOP)



2. DIGITAL MAIN PRINTED CIRCUIT DIAGRAMS(BOTTOM)



LOCATION GUIDE

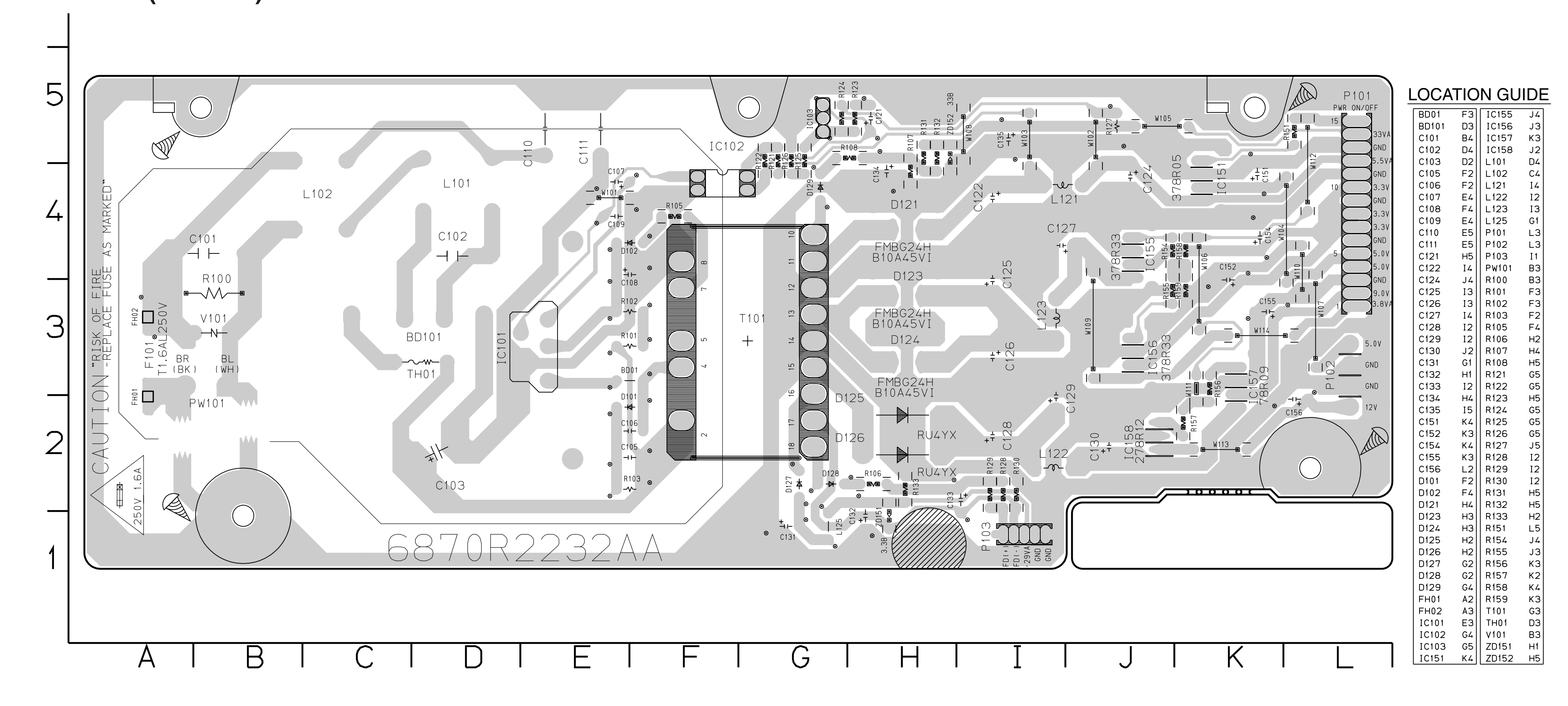
B100	F5	C132	G6	C219	M5	C322	D4	C438	I8
B101	K3	C133	G5	C220	L4	C323	D4	C439	K9
B102	C4	C134	I6	C221	K5	C324	D4	C440	J9
B103	C4	C137	I6	C222	K4	C327	E4	C441	I9
B104	H4	C138	I6	C223	K6	C328	E4	C445	K9
B105	M2	C139	J6	C224	K5	C333	E4	C447	I9
B106	L2	C140	J6	C225	K5	C337	D3	C448	J9
B110	C8	C141	J6	C226	K5	C340	E3	C449	J9
B111	B3	C143	I6	C227	K6	C344	G4	C450	J9
B112	B7	C144	I5	C228	K6	C346	G4	C451	J9
B113	B7	C145	G6	C229	M5	C348	G4	C452	J9
B117	J4	C151	D6	C230	M5	C349	G4	C453	J9
B118	K3	C152	D7	C231	M6	C351	L2	C455	K9
B120	J2	C153	D7	C232	M6	C352	L2	C456	J9
B121	O3	C154	C7	C233	M6	C353	H4	C457	K9
B123	N2	C155	D7	C234	L4	C354	L3	C458	I9
B202	D3	C156	D7	C237	L4	C357	H4	C459	I9
B203	C3	C157	C7	C240	M4	C358	G4	C462	K8
B205	D3	C158	D5	C241	L4	C359	G4	C463	L8
BST1	E5	C159	D5	C242	M5	C363	L2	C464	K9
BST10	L6	C160	D6	C243	K4	C368	F4	C465	L9
BST11	L6	C161	D6	C244	L4	C371	M2	C466	L8
BST12	L6	C162	D6	C245	M4	C376	M2	C468	L8
BST13	L6	C163	D5	C246	L5	C377	H8	C469	L9
BST14	L6	C164	D5	C247	L4	C378	H8	C470	K8
BST15	G8	C165	E7	C248	L4	C380	H8	C471	L9
BST16	G8	C166	F7	C250	L4	C381	H8	C472	L8
BST17	G9	C167	F8	C251	L4	C382	H8	C473	L8
BST18	G9	C168	F7	C252	L4	C383	H8	C477	M8
BST19	G8	C169	F8	C253	L4	C384	H8	C479	A7
BST2	E6	C170	E9	C254	L5	C385	H8	C483	A8
BST20	I7	C173	F9	C256	L4	C386	H8	C486	B7
BST21	I8	C174	E8	C257	M4	C387	G9	C487	B7
BST22	I8	C176	M6	C258	L5	C388	G9	C488	A6
BST23	I8	C179	L5	C260	L8	C389	H8	C494	A7
BST24	I8	C180	L5	C261	L7	C390	G7	C498	B7
BST3	E6	C181	L5	C262	L7	C391	G8	C503	B7
BST30	O4	C182	M6	C263	L7	C392	H8	C533	A3
BST31	O3	C183	L5	C264	L7	C393	I8	C540	J5
BST32	O3	C184	L5	C265	K7	C394	G8	C541	M3
BST33	O4	C185	L5	C266	K7	C395	G9	C543	J4
BST34	O3	C186	L5	C267	K7	C396	H9	C557	J4
BST35	G4	C187	L5	C268	K7	C397	I8	C558	H3
BST36	G4	C188	L6	C269	K7	C398	I8	C559	K3
BST37	G4	C189	L5	C270	K7	C399	I9	C561	F3
BST38	G4	C190	M4	C271	K7	C400	I8	C574	K3
BST4	E6	C191	M4	C272	K7	C402	I8	C575	K3
BST5	E5	C192	L5	C273	K7	C403	H9	C576	L2
BST6	L2	C193	L6	C274	M7	C404	I9	C577	K3
BST7	K2	C194	L5	C275	M7	C405	J9	C578	O5
BST8	J2	C195	L5	C276	M7	C406	I8	C579	O5
BST9	J2	C196	L5	C277	M7	C407	G8	C582	N5
C101	F5	C197	L5	C278	M7	C408	G8	C583	N5
C102	F5	C198	L5	C279	M7	C410	G9	C584	O5
C105	F6	C199	L5	C280	M7	C412	G9	C585	O5
C106	E6	C200	L5	C281	M8	C415	H9	C586	N5
C107	F6	C201	L5	C282	M7	C416	H9	C587	O5
C108	E6	C202	L5	C283	M7	C417	H9	C588	N5
C109	E6	C203	K4	C284	M7	C418	H9	C589	N3
C110	E6	C206	M5	C285	L7	C419	H9	C590	N4
C111	E6	C207	K6	C286	L7	C420	G9	C591	N3
C112	F6	C208	M5	C287	L7	C421	G9	C592	N3
C115	E5	C209	K6	C291	K4	C424	J7	C593	O3
C116	E5	C210	L5	C292	K4	C426	I7	C594	O3
C117	F6	C211	K6	C296	L4	C428	K9	C595	N3
C118	D6	C212	K5	C298	K4	C430	I7	C596	O3
C119	E7	C213	M6	C299	K3	C431	J8	C597	O3
C120	F6	C214	M6	C303	L4	C432	J8	C598	N3
C121	F6	C215	M5	C304	K4	C433	I9	C601	N3
C122	F6	C216	M5	C306	D4	C434	J7	C602	N3
C127	E8	C217	M5	C308	D4	C435	J9	C603	N3
C128	E8	C218	M5	C310	D4	C436	J8	C604	O4

C606	N3	JIG15	E6	JIG80	L5	R132	F6	R264	D4
C607	O3	JIG16	E7	JIG81	C2	R133	F6	R265	D4
C609	N3	JIG17	G8	JIG82	L3	R134	B6	R270	E3
C610	N3	JIG18	G7	JIG83	M3	R135	B6	R271	E3
C611	O3	JIG19	F7	JIG84	O4	R136	B6	R272	E3
C612	N3	JIG2	N4	JIG85	E8	R137	B6	R273	D3
C613	N3	JIG20	F7	JIG9	F7	R138	D6	R274	D8
C614	O3	JIG21	F7	L100	F5	R139	D6	R275	E3
C617	N2	JIG22	F7	L102	K3	R140	D6	R276	D3
C618	N2	JIG23	F7	L103	K3	R141	D6	R279	E3
C619	N2	JIG24	F7	L105	C4	R142	D7	R281	D3
C620	O2	JIG25	G7	L107	E4	R143	D7	R282	E3
C624	C9	JIG26	K5	L109	G4	R144	E6	R283	E3
C625	C9	JIG27	H5	L110	L2	R145	E6	R284	E3
C626	O8	JIG28	F7	L111	L2	R146	E7	R286	L3
C628	C9	JIG29	K5	L112	L3	R147	E7	R287	L3
C629	O6	JIG3	D7	L113	E4	R148	E8	R288	L3
C632	N7	JIG30	K5	L119	J5	R149	E8	R290	L3
C635	N7	JIG31	F7	L120	J4	R150	E8	R292	H4
C637	O8	JIG32	F7	L121	O2	R151	F6	R298	L2
C638	D8	JIG33	F6	L122	N2	R152	F6	R299	L3
C641	C9	JIG34	N4	L125	F3	R153	B5	R300	L3
C642	M8	JIG35	N4	L128	F3	R154	B5	R305	L2
C645	O8	JIG36	N4	L129	G3	R155	E7	R306	M2
C647	N8	JIG37	N4	L130	C4	R156	F6	R307	M2
C649	N7	JIG38	N4	Q103	F3	R157	F6	R310	F4
C652	C10	JIG39	N4	Q104	G3	R158	E8	R312	F4
C653	C10	JIG4	D7	Q105	E2	R159	E7	R314	F4
C654	B10	JIG40	N4	Q106	E2	R160	F6	R319	F4
C655	B10	JIG41	N4	Q107	E2	R161	F5	R321	F4
C656	B10	JIG42	N4	Q108	L3	R162	B6	R323	F4
C658	O8	JIG43	N4	Q110	F4	R163	B5	R333	F4
C700	E4	JIG44	F6	Q111	F4	R166	E7	R334	F4
C701	E4	JIG45	G6	Q112	F4	R167	E9	R335	E4
C712	C3	JIG46	F6	Q117	J5	R168	E9	R338	G9
C725	K2	JIG47	G9	Q118	J4	R174	I6	R339	G9
C726	K2	JIG48	G9	Q119	J4	R188	F8	R340	G8
C727	L2	JIG49	G9	Q126	F4	R189	E8	R342	H7
C729	D3	JIG5	D8	Q127	F4	R190	E8	R343	H8
C731	C3	JIG50	F8	Q128	D2	R191	F9	R344	G9
C733	D2	JIG51	F8	Q129	D2	R194	E9	R346	G8
C734	D2	JIG52	E8	Q130	D2	R198	F9	R347	H8
C735	D2	JIG53	E8	Q131	E4	R199	G9	R348	G9
C736	D2	JIG54	F8	Q135	D2	R200	G9	R354	H8
C737	D2	JIG55	F8	Q136	D2	R201	F9	R361	H8
C738	D2	JIG56	F8	R100	E7	R202	F9	R362	H8
C741	F3	JIG57	G6	R102	F7	R211	L6	R365	G9
C742	F3	JIG58	E7	R103	F7	R212	L6	R366	G9
C743	G3	JIG59	F8	R104	E7	R213	L6	R380	G8
C744	G3	JIG6	D8	R105	E7	R215	L5	R390	G7
C745	L2	JIG60	F8	R106	F5	R216	L5	R394	I8
C746	L2	JIG61	E9	R107	E5	R217	L4	R396	J8
C747	C4	JIG62	F8	R108	E6	R220	L4	R408	K9
C754	C4	JIG63	D9	R109	E6	R222	L4	R409	L8
C755	C4	JIG64	M8	R110	E6	R224	L4	R416	L8
C758	C9	JIG65	F3	R111	E5	R230	K7	R418	L8
C760	C9	JIG66	B4	R113	E5	R231	K3	R419	N9
C761	C9	JIG67	H3	R114	E6	R232	K4	R420	M9
C762	C9	JIG68	D6	R115	E6	R235	K4	R421	M9
C763	K2	JIG69	I2	R116	E5	R240	F3	R422	N9
C767	K4	JIG7	D8	R118	K3	R241	G3	R423	N9
C950	B7	JIG70	E6	R119	K3	R246	F3	R424	N9
D110	J2	JIG71	M4	R120	G6	R247	G3	R425	N9
D116	I2	JIG72	O8	R121	G6	R249	L4	R426	M9
D120	I2	JIG73	J3	R124	B6	R250	L4	R429	B7
D134	E2	JIG74	K9	R125	B6	R254	L4	R430	B7
JIG1	N4	JIG75	J3	R126	B6	R255	K4	R435	B6
JIG10	F7	JIG76	J8	R127	B6	R256	D4	R436	B7
JIG11	E7	JIG77	I2	R128	D7	R258	D4	R454	B11
JIG12	E7	JIG78	G7	R129	E7	R259	D4	R455	B9
JIG13	E7	JIG79	H3	R130	G6	R262	D4	R456	B9
JIG14	E7	JIG8	E7	R131	G6	R263	D4	R478	J4

R479	J4	R640	F4	R817	M2	TP199	I8	TP35	D6
R480	J4	R642	F4	R953	N3	TP2	E9	TP350	F2
R485	J5	R647	F4	R955	O3	TP20	I6	TP351	I2
R486	I5	R649	F4	R956	O3	TP200	I8	TP352	J6
R487	I5	R651	F4	SLIT1	D5	TP201	I8	TP354	D10
R496	I3	R652	E4	SLIT2	L7	TP202	I8	TP355	M3
R497	I3	R653	B7	SLIT3	H9	TP203	I8	TP356	C10
R499	I4	R654	B7	SLIT4	I9	TP204	L3	TP357	I5
R500	I4	R670	N4	T0460	O3	TP205	L3	TP363	H3
R501	E3	R672	O4	TP1	F9	TP207	L3	TP364	I3
R502	E3	R673	O4	TP101	D7	TP209	L3	TP366	M3
R505	E3	R676	N3	TP11	E9	TP21	I5	TP368	M3
R506	E3	R677	N3	TP113	E8	TP210	L3	TP37	E7
R510	F3	R700	E9	TP114	F9	TP213	G4	TP371	J3
R511	H3	R703	D3	TP115	F9	TP214	H4	TP372	J3
R512	I4	R704	D3	TP116	F9	TP215	G4	TP373	J3
R513	I3	R705	D3	TP118	F9	TP216	H4	TP376	I2
R514	H4	R706	D3	TP119	F8	TP217	H4	TP377	M3
R516	J3	R707	D3	TP12	F9	TP219	L2	TP378	M3
R517	J3	R708	D3	TP120	G9	TP22	F6	TP382	D9
R518	I3	R709	D3	TP121	G9	TP220	H4	TP383	D9
R519	I3	R710	C3	TP122	F9	TP222	L2	TP384	D8
R520	I3	R712	D3	TP123	F9	TP225	G4	TP385	J5
R521	I3	R713	D3	TP124	E9	TP228	L3	TP386	I5
R522	H3	R714	D3	TP125	F9	TP229	L2	TP387	I3
R523	H3	R715	D3	TP129	E9	TP23	E7	TP388	I3
R527	F2	R723	F4	TP131	E9	TP235	G4	TP39	F7
R528	F2	R724	E4	TP14	E7	TP236	L3	TP391	J4
R529	M3	R725	J5	TP140	M5	TP24	I6	TP392	L8
R530	M3	R726	I5	TP141	M5	TP241	L2	TP393	M9
R531	F2	R727	I5	TP142	M5	TP243	G4	TP394	M9
R533	F2	R734	J4	TP143	L5	TP244	F4	TP395	L9
R534	G2	R735	J4	TP144	M4	TP245	F4	TP396	M9
R535	G2	R740	J4	TP146	L6	TP25	I6	TP398	L8
R536	F2	R741	J4	TP147	L6	TP252	F4	TP4	F6
R537	F2	R742	J4	TP15	E5	TP253	F4	TP40	F7
R538	H3	R743	J4	TP152	L3	TP26	D7	TP400	M9
R539	I2	R744	J4	TP153	L4	TP260	F4	TP401	M9
R540	I2	R745	J4	TP154	L4	TP261	F4	TP402	M9
R541	I2	R748	F3	TP155	M7	TP262	E4	TP406	O7
R547	H3	R749	F3	TP156	K7	TP263	G9	TP407	H8
R555	L2	R750	G3	TP157	K7	TP264	J9	TP408	H9
R556	K2	R751	G3	TP158	M7	TP265	B8	TP41	E7
R560	L2	R752	F3	TP16	E5	TP266	B8	TP411	O5
R561	K2	R754	F3	TP160	M7	TP268	B8	TP413	I5
R562	K2	R755	F3	TP161	M7	TP28	F7	TP414	J4
R563	K2	R756	F3	TP162	K3	TP29	F7	TP415	K9
R579	N3	R757	F3	TP165	K4	TP3	F9	TP42	E7
R581	O3	R763	E3	TP166	L4	TP30	F7	TP420	N9
R590	N3	R764	J4	TP167	K4	TP304	N3	TP421	N9
R592	N4	R767	J4	TP168	D8	TP31	F6	TP422	L8
R597	O3	R773	C2	TP169	E3	TP317	N3	TP423	L8
R598	O2	R777	E3	TP17	D6	TP318	N3	TP424	J4
R599	N2	R779	E4	TP170	D2	TP319	N3	TP425	I3
R600	N2	R780	H4	TP171	D2	TP320	N3	TP426	I3
R601	N2	R782	C3	TP172	E3	TP321	N3	TP428	J5
R602	N2	R786	D9	TP173	L3	TP322	M3	TP429	J4
R603	N2	R787	M5	TP175	L3	TP323	N3	TP430	F2
R604	N2	R789	F3	TP176	M3	TP324	M2	TP431	J9
R605	N2	R790	G3	TP177	L3	TP325	N3	TP432	K8
R606	N2	R791	C4	TP178	L3	TP326	O3	TP433	L8
R607	N2	R792	D4	TP180	L3	TP33	E5	TP434	L9
R613	D9	R793	D4	TP183	L3	TP330	L8	TP435	L9
R614	E9	R794	D4	TP185	L3	TP332	J4	TP436	N9
R615	C9	R796	D4	TP186	L3	TP333	J5	TP439	J4
R618	C9	R797	D4	TP187	L3	TP337	I4	TP44	E5
R621	C9	R798	D4	TP188	L3	TP338	I3	TP441	L8
R622	C9	R804	E2	TP189	L3	TP339	G3	TP442	L8
R623	D8	R810	C9	TP190	L3	TP340	F2	TP443	M9
R626	C3	R811	C9	TP191	L2	TP342	G2	TP444	L9
R627	C4	R812	C9	TP192	L2	TP345	H3	TP445	L8
R637	B10	R816	M2	TP195	L3	TP349	F2	TP446	J4

TP448	I9	TP54	E6	TP638	O5	TP745	N4
TP449	G9	TP540	K5	TP64	F5	TP747	O4
TP45	F5	TP541	L4	TP640	O5	TP749	O4
TP451	N3	TP542	L4	TP641	O5	TP75	E5
TP452	O3	TP543	L4	TP642	O5	TP750	O4
TP454	N3	TP544	K4	TP643	O5	TP751	O4
TP455	N3	TP545	L3	TP644	O5	TP752	N4
TP456	N3	TP546	L3	TP645	O5	TP754	N4
TP457	N3	TP547	L4	TP646	O5	TP756	N4
TP458	O3	TP548	K4	TP648	O6	TP757	O4
TP459	O3	TP55	D6	TP65	F5	TP76	F5
TP46	F5	TP553	L4	TP651	N5	TP760	I6
TP462	N3	TP555	K4	TP652	N5	TP761	N3
TP465	F4	TP556	K4	TP653	N5	TP762	N3
TP466	E2	TP557	G8	TP654	O6	TP763	K4
TP47	F5	TP558	I6	TP655	N6	TP764	K4
TP470	L8	TP56	D6	TP656	G8	TP766	N5
TP471	G5	TP563	L3	TP657	N6	TP768	J6
TP472	D4	TP564	K3	TP658	N6	TP769	N5
TP473	D2	TP565	K3	TP659	H8	TP774	F3
TP474	D4	TP566	K3	TP66	D7	TP775	G3
TP475	D4	TP567	K4	TP660	N6	TP777	G3
TP476	D3	TP568	D4	TP661	N6	TP778	G3
TP477	C2	TP569	D4	TP662	H8	TP780	F3
TP479	D4	TP57	E6	TP663	N6	TP781	G3
TP480	D3	TP570	D4	TP664	N6	TP784	B7
TP481	D3	TP572	D4	TP666	O6	TP787	G4
TP483	D3	TP573	D4	TP667	O6	TP788	J4
TP489	C3	TP575	D4	TP67	B9	TP789	J5
TP49	E5	TP576	D4	TP672	N6	TP79	K9
TP491	D3	TP577	D4	TP674	N6	TP791	I4
TP493	D3	TP578	D4	TP675	N6	TP792	I5
TP494	E3	TP579	D4	TP676	H9	TP794	F3
TP496	E3	TP58	D6	TP678	N6	TP796	F3
TP497	C3	TP586	D4	TP679	I8	TP797	F3
TP498	C2	TP592	E4	TP68	F6	TP798	F3
TP499	I2	TP593	E4	TP680	G8	TP799	F3
TP50	E5	TP594	E4	TP684	G9	TP8	D6
TP502	F2	TP595	H4	TP685	G9	TP800	F3
TP503	C2	TP596	H4	TP686	I9	TP803	J4
TP504	C2	TP597	C7	TP687	H9	TP804	E7
TP505	E2	TP598	G3	TP688	H8	TP805	E7
TP506	E2	TP6	K5	TP689	G9	TP807	E2
TP508	G5	TP60	E6	TP69	F5	TP808	D2
TP51	E6	TP600	D2	TP690	H8	TP81	H7
TP510	G5	TP601	D2	TP691	I7	TP813	E5
TP511	G5	TP605	M3	TP694	I8	TP814	E5
TP512	E3	TP606	M2	TP697	H8	TP815	L7
TP513	F3	TP607	M3	TP698	H8	TP816	L7
TP514	J6	TP608	M3	TP699	I8	TP817	H9
TP515	J6	TP61	E6	TP7	E5	TP818	H9
TP516	J6	TP610	M5	TP70	F5	TP819	I9
TP517	L5	TP611	M3	TP709	N5	TP82	F5
TP519	K4	TP612	M5	TP71	D7	TP84	H6
TP52	E6	TP613	M5	TP710	N5	TP85	E7
TP520	J4	TP617	L3	TP711	J8	TP86	E7
TP522	K6	TP618	L3	TP712	N5	TP87	H6
TP523	K5	TP619	M5	TP715	N5	TP91	G6
TP524	K5	TP62	D7	TP716	N5	TP93	G7
TP525	K5	TP620	L5	TP718	N5	TP94	G6
TP526	K5	TP621	L3	TP719	N5	TP97	D5
TP527	K6	TP623	L3	TP72	E6	TP98	D5
TP529	K6	TP624	M5	TP722	I9		
TP53	D6	TP625	M5	TP727	E3		
TP530	I6	TP628	K4	TP728	E3		
TP531	K6	TP629	L3	TP736	N3		
TP532	K6	TP63	F9	TP738	N5		
TP533	I6	TP631	G4	TP739	N3		
TP534	I6	TP632	H4	TP74	E5		
TP535	K6	TP634	E4	TP740	N4		
TP536	K6	TP635	K4	TP741	N4		
TP539	M5	TP637	K4	TP742	N3		

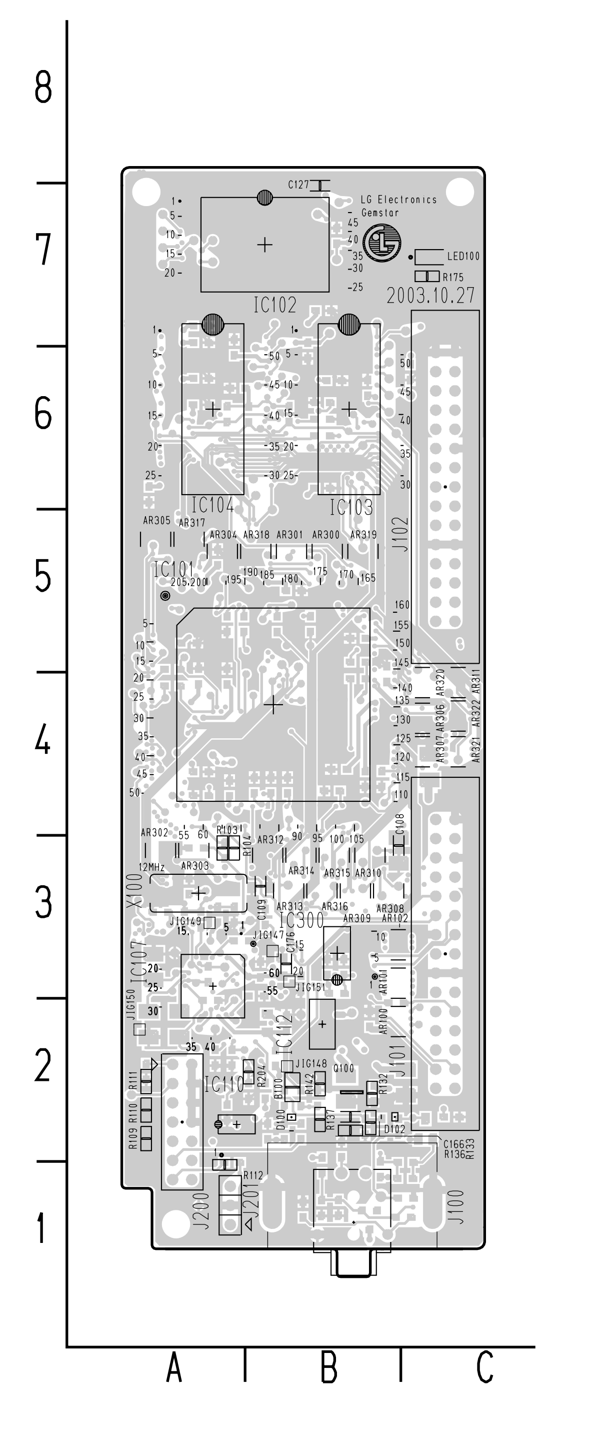
3. SMPS(POWER) PRINTED CIRCUIT DIAGRAM



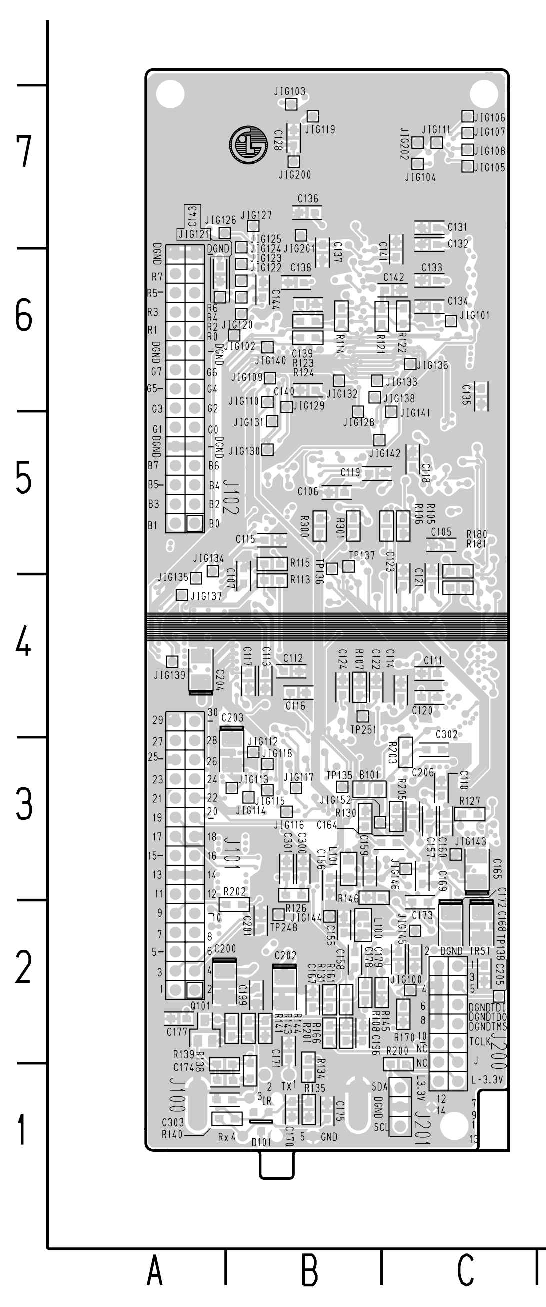
LOCATION GUIDE

BD01	F3	IC155	J4
BD101	D3	IC156	J3
C101	B4	IC157	K3
C102	D4	IC158	J2
C103	D2	L101	D4
C105	F2	L102	C4
C106	F2	L121	I4
C107	E4	L122	I2
C108	F4	L123	I3
C109	E4	L125	G1
C110	E5	P101	L3
C111	E5	P102	L3
C121	H5	P103	I1
C122	I4	PW101	B3
C124	J4	R100	B3
C125	I3	R101	F3
C126	I3	R102	F3
C127	I4	R103	F2
C128	I2	R105	F4
C129	I2	R106	H2
C130	J2	R107	H4
C131	G1	R108	H5
C132	H1	R121	G5
C133	I2	R122	G5
C134	H4	R123	H5
C135	I5	R124	G5
C151	K4	R125	G5
C152	K3	R126	G5
C154	K4	R127	J5
C155	K3	R128	I2
C156	L2	R129	I2
D101	F2	R130	I2
D102	F4	R131	H5
D121	H4	R132	H5
D123	H3	R133	H2
D124	H3	R151	L5
D125	H2	R154	J4
D126	H2	R155	J3
D127	G2	R156	K3
D128	G2	R157	K2
D129	G4	R158	K4
FH01	A2	R159	K3
FH02	A3	T101	G3
IC101	E3	TH01	D3
IC102	G4	V101	B3
IC103	G5	ZD151	H1
IC151	K4	ZD152	H5

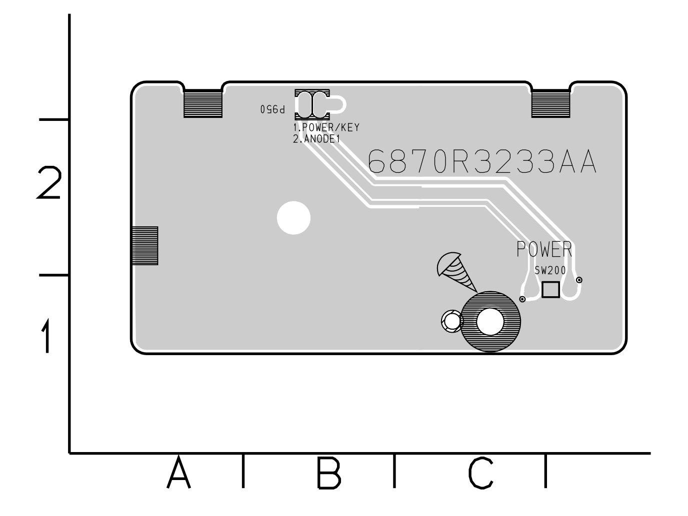
4. GEMSTAR PRINTED CIRCUIT DIAGRAM(TOP)



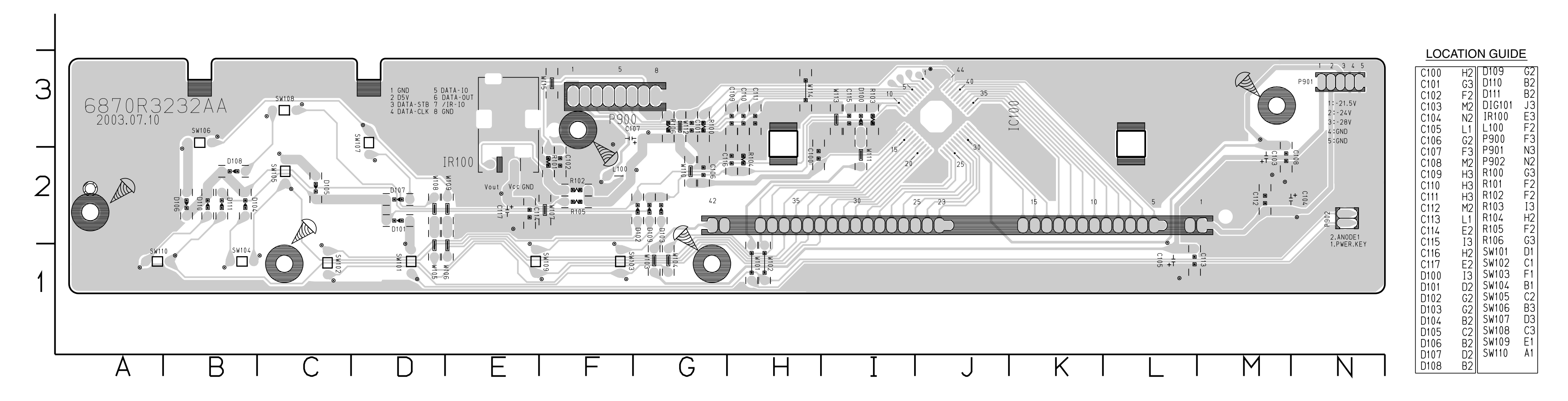
5. GEMSTAR PRINTED CIRCUIT DIAGRAM(BOTTOM)



6. KEY PRINTED CIRCUIT DIAGRAM



7. TIMER PRINTED CIRCUIT DIAGRAM



C100	H2	D109	G2
C101	G3	D110	B2
C102	F2	D111	B2
C103	M2	DIG101	J3
C104	N2	IR100	E3
C105	L1	L100	F2
C106	G2	P900	F3
C107	F3	P901	N3
C108	M2	P902	N2
C109	H3	R100	G3
C110	H3	R101	F2
C111	H3	R102	F2
C112	M2	R103	I3
C113	L1	R104	H2
C114	E2	R105	F2
C115	I3	R106	G3
C116	H2	SW101	D1
C117	E2	SW102	C1
D100	I3	SW103	F1
D101	D2	SW104	B1
D102	G2	SW105	C2
D103	G2	SW106	B3
D104	B2	SW107	D3
D105	C2	SW108	C3
D106	B2	SW109	E1
D107	D2	SW110	A1
D108	B2		

NOTES) ⚠ Warning
Parts that are shaded are critical
With respect to risk of fire or
electricial shock.

SECTION 4 REPLACEMENT PARTS LIST

MODEL : LST-3410A AA1UZL(ZENITH) **NSP : Not avallable as service parts.**

RUN DATE :25-NOV-03

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		*** INDIVIDUAL PARTS ***				
		250	3110R-V016B	CASE	LST-3410A AA1UZL PRESS	
⚠		300	6410RAHK02D	POWER CORD	KJ-10W/NISPT-2(ST-HS:80MM) WIT	
		463	353-051G	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FN TB ROUN	
		465	353-046K	SCREW,DRAWING	SPECIAL (3X10 B.K)	
		466	1BK-0512391	BOLT,HEXAGON SOCKET HEAD	D5.1 L7.0 STS 430	
		469	1NHD8220060	NUT,HEXAGON	4 D3/8"-16 NO RULE BSP/BN,BSW/	
		470	1WSV1200084	WASHER,SPRING LOCK	NO RULE D12.0 SUS 304	
		*** PACKING ACCESSORY ***				
		801	3835RS0061N	INSTRUCTION ASSEMBLY	VCR LST-3410A AA1UZZ	
		802	3890R-H828E	BOX	LST-3410A AA1UZL SW3-A STB	
		803	3920R-E059A	PACKING,CASING	S.T.B ZENITH 0.02 80 EPE 4 ? ?	
		804	3858R-S001A	SHEET (MECH)	Packing LDPE 600M 630MM 0.5 VC	NSP
		806	6850R-CAEX1	CABLE,COAXIAL	FREE OF HAZARDOUS RF - CABLE N	
		808	6910R-AB02A	BATTERY,ALKALINE	LR06 STC ALKALINE 1.5V .MA/H A	
		811	6611R1G003A	PLUG ASSEMBLY	1WAY YL 1.8M GLOBAL	
		812	6611R2G003A	PLUG ASSEMBLY	2WAY RED/WHITE 1.8M GLOBAL	
		820	6611R3G001B	PLUG ASSEMBLY	3WAY 3WAY RD/BL/GR COMPONENT F	
		825	6850R-ZAC03	CABLE,COAXIAL	88766-2800 DVI CABLE MOLEX 300	
		*** REMOTE CONTROLLER ***				
		900	6711R1N139A	REMOTE CONTROLLER ASSEMBLY	D6 LST-3410 LG	
		*** CHASSIS ASSEMBLY ***				
		A44	3141R-V013F	CHASSIS ASSEMBLY	LST-3410A AA1UZL	NSP
		260	3140R-V007A	CHASSIS	MAIN(LST-3410Z) PRESS	NSP
		265	4930R-0348A	HOLDER	POWER CORD (DV6000)	
		320	3720R-D090C	PANEL,VIDEO	VCR LST-3410A AA1UZL PRESS	
		457	353-046N	SCREW,DRAWING	SPECIAL(3X8 BK.)	
		*** SUPPORTER ASSEMBLY ***				
		A51	4981R-0010C	SUPPORTER ASSEMBLY	CASE HDD(LST-3410A STB)	
		270	3111R-0214B	CASE ASSEMBLY	HDD (PVR STB WITH GASKET EMI S	
		271	3110R-P015A	CASE	DVD - HARD DISC(PVR STB)	
		271A	5040R-0076A	RUBBER	DVD - H_DISC (HDR)	
		271B	4930R-0332A	HOLDER	DVD - H_DISC (HDR)	
		*** PANEL ASSEMBLY , FRONT ***				
		A43	3501R-5994A	BOARD ASSEMBLY	VCR LST-3410A AA1UZL	
		280	3721R-F380E	PANEL ASSEMBLY,FRONT	VCR LST-3410A AA1UZL	NSP
		452	353-051A	SCREW,DRAWING	SPECIAL	
		A50	6871R-3232Z	PWB(PCB) ASSEMBLY,TOTAL	LST-3410Z TIMER+KEY	
		C100	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
⚠		C101	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
⚠		C102	0CX2200K408	CAPACITOR TUBULA(T.C)	22P 50V J SL TP26	
		C103	0CE2264K638	CAPACITOR,ELECTROLYTIC	22M SRA 50V M FM5 TP(5)	
		C104	0CE2264K638	CAPACITOR,ELECTROLYTIC	22M SRA 50V M FM5 TP(5)	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C105	0CE2264K638	CAPACITOR,ELECTROLYTIC	22M SRA 50V M FM5 TP(5)	
		C106	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C107	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C108	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C109	0CX2200K408	CAPACITOR TUBULA(T.C)	22P 50V J SL TP26	
⚠		C110	0CX2200K408	CAPACITOR TUBULA(T.C)	22P 50V J SL TP26	
⚠		C111	0CX2200K408	CAPACITOR TUBULA(T.C)	22P 50V J SL TP26	
		C112	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C113	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C114	0CN1040K948	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C115	0CN2210K518	CAPACITOR TUBULA(HIGH DIELE)	220P 50V K B TA26	
		C116	0CN2210K518	CAPACITOR TUBULA(HIGH DIELE)	220P 50V K B TA26	
		C117	0CE4764F638	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		D100	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D101	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D102	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D103	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D104	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D105	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D106	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D107	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D108	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D109	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D110	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D111	0DD133009AA	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		DIG101	6302R-V219A	DIGITRON	HNV-12MM41T SSSDI SEG VFD PVRI	
		IC100	0IPRPNE001A	IC,PERIPHERALS	UPD16315GB-3BS NEC 44 QFP BK F	
		IR100	6712R1538GC	REMOTE CONTROLLER RECEIVER	TSOP1238TB1 VISHAY(TEMIC) 37-9	
		L100	0LR0102K035	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP	
		R100	0RD8202F608	RESISTOR,FIXED CARBON FILM	82K OHM 1/6 W 5% TA26	
		R101	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R102	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R103	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R104	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R105	0RD0332F608	RESISTOR,FIXED CARBON FILM	33 OHM 1/6 W 5% TA26	
		R106	0RD1002F608	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		SW101	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW102	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW103	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW104	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW105	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW106	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW107	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW108	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW109	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW110	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		SW200	556-282C	SWITCH,TACT	SKQNQED ALPS DC 12 V 50 MA TA	
		*** BOARD ASSEMBLY , TOTAL POWER ***				
		A47	3501R-2232A	BOARD ASSEMBLY	VCR PVR2 SMPS	
		BD01	636-004C	FILTER(CIRC),EMC	BEAD CORE BFS3550R2FD8,R T/P	
		BD101	0DRGF00011A	DIODE,RECTIFIERS	GBU6J GULF ST NON 600V 6A 175A	
⚠		C101	624-088F	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	
⚠		C102	624-088F	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C103	0CE277JR6A0	CAPACITOR,FIXED ELECTROLYTIC	270UF SMH,HC 250V 20% VNSN BUL	
		C105	0CQ1031Y519	CAPACITOR,FIXED FILM	0.01UF D 630V 10% PE NI TP5	
		C106	624-087B	CAPACITOR	HIGH-VOL 100P/1KV SMPS SAMHWA	
		C107	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C108	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C109	0CQ1041N409	CAPACITOR,FIXED FILM	0.1UF D 100V 5% PE TP5	
⚠		C110	0CG1020U630	CAPACITOR,SEMI CERAMIC	1000PF 400V M E(Z5U) R	
⚠		C111	0CG2220U630	CAPACITOR,SEMI CERAMIC	2200 PF 400V M E R (NK,AD,SD)	
		C121	0CE1054K638	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C122	0CE2282F611	CAPACITOR,FIXED ELECTROLYTIC	2200UF KMF 16V 20% BK7.5 FL	
		C124	624-082H	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C125	0CE228BF630	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C126	0CE228BF630	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C127	624-082H	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C128	0CE108EH610	CAPACITOR,FIXED ELECTROLYTIC	1000UF KMG 25V 20% BULK FL	
		C129	0CE108EH610	CAPACITOR,FIXED ELECTROLYTIC	1000UF KMG 25V 20% BULK FL	
		C130	624-082G	CAPACITOR,FIXED ELECTROLYTIC	CE 470UF/25V SHL(10*12.5)T/P	
		C131	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C132	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C133	0CE2276F638	CAPACITOR,ELECTROLYTIC	220U SMS 16V M FM5 TP(5)	
		C134	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C135	624-085D	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C151	0CE3376D638	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C152	0CE3376D638	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C154	0CE3376D638	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C155	0CE1074F638	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C156	0CE337CH618	CAPACITOR,FIXED ELECTROLYTIC	330UF SHL,SD 25V 20% FL TP 5	
		D101	0DD010009CA	DIODE,RECTIFIERS	EG01C TP SANKEN - - - - - -	
		D101	0DD221009AA	DIODE,RECTIFIERS	ERA22-10 KFLB,TP ,R T/P,FUJI	
		D102	0DD010009AC	DIODE,RECTIFIERS	EU01W(R-FORM) TP SANKEN	
		D121	4811R-0043A	BRACKET ASSEMBLY	FMB-G24H_HEAT SINK	
		D123	4811R-0043A	BRACKET ASSEMBLY	FMB-G24H_HEAT SINK	
		D124	4811R-0043A	BRACKET ASSEMBLY	FMB-G24H_HEAT SINK	
		D125	0DD400000AD	DIODE,RECTIFIERS	RU4YX BK SANKEN - - - - - -	
		D126	0DD400000AD	DIODE,RECTIFIERS	RU4YX BK SANKEN - - - - - -	
		D127	0DD010009AC	DIODE,RECTIFIERS	EU01W(R-FORM) TP SANKEN	
		D128	0DD010009AC	DIODE,RECTIFIERS	EU01W(R-FORM) TP SANKEN	
		D129	0DR104009BA	DIODE,RECTIFIERS	RL104F TP RECTRON - 400V 1A 30	
⚠		F101	0FS1601B51B	FUSE,SLOW BLOW	1600MA 250 V 5.2X20 CY/GL KS /	
		FH01	586-008B	HOLDER	FUSE CLIP TP SINSUNG	
		FH02	586-008B	HOLDER	FUSE CLIP TP SINSUNG	
⚠		IC101	4811R-0043H	BRACKET ASSEMBLY	KA1M0880B_HEAT SINK_NEW	
⚠		IC102	657-063A	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)	
		IC103	0IKE431000A	IC,KEC	KIA431 3 PIN TP	
		IC103	0ISS431000A	IC,SAMSUNG ELECTRONICS	KA431AZ (LM431AZ)	
		IC151	4811R-0043G	BRACKET ASSEMBLY	378R05_HEATSINK	
		IC155	4811R-0043B	BRACKET ASSEMBLY	378R33_HEAT SINK	
		IC156	4811R-0043B	BRACKET ASSEMBLY	378R33_HEAT SINK	
		IC157	4811R-0049A	BRACKET ASSEMBLY	VCR LST-3500 78R09 HEATSINK	
		IC158	0IPMGFA031A	IC,POWER MANAGEMENT	KA278R12TSTU FAIRCHILD 4P TO-2	
⚠		L101	6200RLB007A	FILTER(CIRC),EMC	500UHX2 KWANGSUNG BULK DV-3500	
⚠		L102	6200RLB006A	FILTER(CIRC),EMI	UU1620 KWANGSUNG BULK	
		L121	633-088D	COIL,CHOKE	CHOCK ,20UH KWANGSUNG LEAD CU	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		L122	633-088D	COIL,CHOKE	CHOCK ,20UH KWANGSUNG LEAD CU	
		L123	6140RCC009A	COIL,RF	BAR CHOKE COIL 2 PIN 10 UHCCAR	
		L125	0LR1000K035	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		R100	0RD1504H632	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5.00% MF10	
		R101	0RS1003K619	RESISTOR,FIXED METAL OXIDE FIL	100K OHM 2 W 5.00% TR	
		R103	0RS5602K619	RESISTOR,FIXED METAL OXIDE FIL	56K OHM 2 W 5.00% TR	
		R105	0RD0471F608	RESISTOR,FIXED CARBON FILM	4.7 OHM 1/6 W 5% TA26	
		R106	0RF0200F708	RESISTOR,VARIABLE[CARBON FILM]	0.2 OHM 1/6 W 10% TA26	
		R107	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R108	0RF0300F708	RESISTOR,VARIABLE[CARBON FILM]	0.3 OHM 1/6 W 10% TA26	
		R121	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R122	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R123	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R124	0RN3301F408	RESISTOR,FIXED METAL FILM	3.3K OHM 1/6 W 1% TA26	
		R125	0RN2701F408	RESISTOR,FIXED METAL FILM	2.7K OHM 1/6 W 1% TA26	
		R126	0RD1000F608	RESISTOR,FIXED CARBON FILM	100 OHM 1/6 W 5% TA26	
		R127	0RD4700F608	RESISTOR,FIXED CARBON FILM	470 OHM 1/6 W 5% TA26	
		R128	0RD0102F608	RESISTOR,FIXED CARBON FILM	10 OHM 1/6 W 5% TA26	
		R129	0RD0102F608	RESISTOR,FIXED CARBON FILM	10 OHM 1/6 W 5% TA26	
		R130	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R131	0RD3901F608	RESISTOR,FIXED CARBON FILM	3.9K OHM 1/6 W 5% TA26	
		R132	0RD3901F608	RESISTOR,FIXED CARBON FILM	3.9K OHM 1/6 W 5% TA26	
		R133	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R151	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R154	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R155	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R156	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R157	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R158	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R159	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		T101	6170RNGW15H	TRANSFORMER,SMPS[COIL]	EER4242 SOOJUNG LST-3410Z	
		TH01	6322B62204A	THERMISTOR,PTC	NTPAN4R0LDRB0 MURATA 4.0OHM 15	
		V101	656-004C	VARISTOR,DRAWING	SVC681D-10A SAMHWA 4.O CUT	
		ZD151	0DZ330009BF	DIODE,ZENER	GDZJ3.3B TP GRANDE DO34 0.5W 3	
		ZD151	0DZ332609FA	DIODE,ZENER	UZ-3.3BSB 26MM TP PYUNG CHANG	
		ZD151	0DZ330009CD	DIODE,ZENER	MTZJ3.3B TP ROHM-K DO34 0.5W 3	
		ZD151	0DZ337729AA	DIODE,ZENERS	MTZ3.3B,T-77(26MMTP) TP ROHM -	
		ZD152	0DZ330009AF	DIODE,ZENER	MTZ33B,TP,ROHM-K	
		ZD152	0DZ332609BA	DIODE,ZENER	UZ-33BSB 26MM TP PYUNG CHANG D	
		*** PWB(PCB) ASSEMBLY , TOTAL GEMSTAR ***				
		A48	6871R-3231A	PWB(PCB) ASSEMBLY,TOTAL	LDT-3410Z GEMSTAR	
		AR100	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR101	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR102	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR300	0RR1500Q621	RESISTOR,VARIABLE[METAL GLAZE]	150 OHM 1/16 W 3216 5% R/TP 8	
		AR301	0RR1500Q621	RESISTOR,VARIABLE[METAL GLAZE]	150 OHM 1/16 W 3216 5% R/TP 8	
		AR302	0RR1500Q621	RESISTOR,VARIABLE[METAL GLAZE]	150 OHM 1/16 W 3216 5% R/TP 8	
		AR303	0RR1500Q621	RESISTOR,VARIABLE[METAL GLAZE]	150 OHM 1/16 W 3216 5% R/TP 8	
		AR304	0RR1500Q621	RESISTOR,VARIABLE[METAL GLAZE]	150 OHM 1/16 W 3216 5% R/TP 8	
		AR305	0RR1500Q621	RESISTOR,VARIABLE[METAL GLAZE]	150 OHM 1/16 W 3216 5% R/TP 8	
		AR306	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR307	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR308	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		AR309	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR310	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR311	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR312	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR313	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR314	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR315	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR316	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR317	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR318	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR319	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR320	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR321	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR322	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		B100	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B101	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		C105	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C106	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C107	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C108	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C109	0CH4150K412	CAPA,CHIP CERAMIC M/L T.C F/S	15P 50V J COG 1.6X0.8 R/TP	
⚠		C110	0CH4150K412	CAPA,CHIP CERAMIC M/L T.C F/S	15P 50V J COG 1.6X0.8 R/TP	
⚠		C111	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C112	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C113	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C114	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C115	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C116	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C117	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C118	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C119	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C120	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C121	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C122	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C123	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C124	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C127	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C128	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C131	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C132	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C133	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C134	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C135	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C136	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C137	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C138	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C139	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C140	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C141	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C142	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C143	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C144	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C155	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C156	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C157	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C158	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C159	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C160	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C164	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C165	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C166	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C168	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C169	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C171	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C172	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C173	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C174	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C175	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C176	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C177	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C178	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C179	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C196	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C199	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C200	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C201	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C202	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C203	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C204	0CH7106F621	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)	
		C206	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C300	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C301	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C302	0CH4180K412	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C303	0CH4100K412	CAPACITOR,CHIP[CERAMIC M/L TC	10PF 50V J NP0 1608 R/TP	
		D100	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D101	0DRFC00278A	DIODE,RECTIFIERS	MMBD4148 FAIR CHILD R/TP SOT23	
		D102	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
⚠		IC101	0IMCRTI023A	IC,MICRO CONTROLLER	XB-70 TEXAS INSTRUMENT 208 PQF	
⚠		IC102	0IMMRFU004A	IC,MEMORIES	MBM29DL323TE90TN FUJITSU 48 TS	
		IC103	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC103	0IMMRHY001E	IC,MEMORIES	HY57V641620HGT-7 HYUNDAI 54PIN	
		IC104	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC104	0IMMRHY001E	IC,MEMORIES	HY57V641620HGT-7 HYUNDAI 54PIN	
		IC107	0IPRPAD015A	IC,PERIPHERALS	ADV-7201 ANALOG DEVICE 64 LEAD	
		IC110	0IMCRMP005A	IC,MICRO CONTROLLER	PIC12F629T-I/SN MICRO CHIP TEC	
		IC112	0IPMGSJ014A	IC,POWER MANAGEMENT	SC15651ST-1.8 SEMTECH 3P SOT-2	
		IC300	0ISTLFA054A	IC,STANDARD LOGIC	74LCX244MTCX FAIRCHILD 20P TSS	
		L100	0LCCE00004F	INDUCTOR,CHIP	22UH, CHIP2012 CERATECH R/TP	
⚠		L101	0LCCE00004F	INDUCTOR,CHIP	22UH, CHIP2012 CERATECH R/TP	
		LED100	0DLAU0108AC	LED	AUK SR1316 R/TP RED 8 MCD	
		Q100	0TR390409DA	TRANSISTOR	2N3904S NPN SOT-23 TP KEC	
		Q101	0TR390609BB	TRANSISTOR	2N3906S (MY-A112) TP KEC	
		R105	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R106	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R107	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R108	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R109	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R110	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R111	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R112	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R113	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R114	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R115	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R121	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R122	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R123	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R124	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R126	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R127	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R130	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R131	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R132	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R133	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R135	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R136	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R137	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R138	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R139	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R140	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R141	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R142	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R143	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R144	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R145	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R146	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R161	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R166	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R170	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R175	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R180	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R181	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R200	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R201	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R202	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R203	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R205	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R300	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R301	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		X100	6212AB2120E	RESONATOR,CRYSTAL	HC-49/S SMD CSC(SSANGTAI) 12MH	
		*** BOARD ASSEMBLY(MAIN) ***				
		A46	6871R-3230A	PWB(PCB) ASSEMBLY,TOTAL	LST-3410Z MAIN PWB ASSY	
		AR100	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR101	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR102	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR103	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR104	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR105	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR106	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR107	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		AR108	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR109	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR110	0RRZVTA001J	RESISTOR,DRAWING	4.7K OHM 1 / 16 W 3216 5% R/TP	
		AR111	0RRZVTA001J	RESISTOR,DRAWING	4.7K OHM 1 / 16 W 3216 5% R/TP	
		AR112	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR113	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR114	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR115	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR116	0RRZVTA001S	RESISTOR,DRAWING	3.3K OHM 1 / 16 W 3216 5% R/TP	
		AR117	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR118	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR119	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR120	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR121	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR122	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR125	0RRZVTA001J	RESISTOR,DRAWING	4.7K OHM 1 / 16 W 3216 5% R/TP	
		AR126	0RRZVTA001J	RESISTOR,DRAWING	4.7K OHM 1 / 16 W 3216 5% R/TP	
		AR127	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR128	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR129	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR130	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR131	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR132	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR133	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR134	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR135	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		B100	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B101	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B102	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B103	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B104	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B105	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B106	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B107	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B108	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B109	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B110	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B111	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B113	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B117	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B118	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B120	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B121	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B122	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B202	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B203	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B205	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		B207	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
		C100	0CH8335K611	CAPACITOR,FIXED ELECTROLYTIC	3.3UF 50V 20% 85STD (CYL) R/TP	
⚠		C101	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
⚠		C102	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C103	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C104	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C105	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C106	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C107	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C108	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C109	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
⚠		C110	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
⚠		C111	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C112	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C113	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C114	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C115	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C116	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C117	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C118	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C119	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C120	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C121	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C122	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C123	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C124	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C125	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C126	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C127	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C128	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C129	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C130	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C131	0CH1225F946	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C132	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C133	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C134	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C135	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C136	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C137	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C138	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C139	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C140	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C141	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C142	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C143	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C144	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C145	0CH1683K516	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 50V 10% B(5YP) 2012 R/	
		C146	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C147	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C148	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C149	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C150	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C151	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C152	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C153	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C154	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C155	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C156	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C157	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C158	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C159	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C160	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C161	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C162	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C163	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C164	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C165	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C166	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C167	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C168	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C169	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C170	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C171	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C172	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C173	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C174	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C175	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C176	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C177	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C178	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C179	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C180	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C181	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C182	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C183	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C184	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C185	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C186	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C187	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C188	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C189	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C190	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C191	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C192	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C193	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C194	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C195	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C196	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C197	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C198	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C199	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C200	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C201	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C202	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C203	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C204	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C205	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C206	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C207	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C208	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C209	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C210	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C211	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C212	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C213	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C214	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C215	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C216	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C217	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C218	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C219	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C220	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C221	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C222	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C223	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C224	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C225	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C226	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C227	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C228	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C229	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C230	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C231	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C232	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C233	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C234	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C235	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C236	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C237	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C238	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C239	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C240	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C241	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C242	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C243	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C244	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C245	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C246	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C247	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C248	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C249	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C250	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C251	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C252	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C253	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C254	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C255	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C256	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C257	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C258	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C259	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C260	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C261	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C262	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C263	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C264	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C265	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C266	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C267	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C268	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C269	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C270	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C271	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C272	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C273	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C274	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C275	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C276	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C277	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C278	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C279	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C280	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C281	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C282	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C283	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C284	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C285	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C286	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C287	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C288	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C289	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C290	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C291	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C292	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C296	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C297	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C298	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C299	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C300	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C303	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C304	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C306	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C307	0CH8335K611	CAPACITOR,FIXED ELECTROLYTIC	3.3UF 50V 20% 85STD (CYL) R/TP	
		C308	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C309	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C310	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C311	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C312	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C313	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C314	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C315	0CH1821K562	CAPACITOR,FIXED CERAMIC(Temp.c	820PF 50V 10% X7R(X) 1608 R/TP	
		C316	0CH1821K562	CAPACITOR,FIXED CERAMIC(Temp.c	820PF 50V 10% X7R(X) 1608 R/TP	
		C317	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C318	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C319	0CH4020K012	CAPACITOR,FIXED CERAMIC(High d	2PF 50V O.25 pF NP0 1608 R/TP	
		C320	0CH4020K012	CAPACITOR,FIXED CERAMIC(High d	2PF 50V O.25 pF NP0 1608 R/TP	
		C321	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C322	0CH4560K412	CAPA,CHIP CERAMIC M/L T.C F/S	56P 50V J COG 1.6X0.8 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C323	0CH4560K412	CAPA,CHIP CERAMIC M/L T.C F/S	56P 50V J COG 1.6X0.8 R/TP	
		C324	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C325	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C326	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C327	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C328	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C329	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C330	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C331	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C332	0CH8335K611	CAPACITOR,FIXED ELECTROLYTIC	3.3UF 50V 20% 85STD (CYL) R/TP	
		C333	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C334	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C335	0CH1474K562	CAPACITOR,FIXED CERAMIC(TEMP.C	470000PF 1608 50V 10% - R/TP	
		C336	0CH1474K562	CAPACITOR,FIXED CERAMIC(TEMP.C	470000PF 1608 50V 10% - R/TP	
		C337	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C338	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C339	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C340	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C341	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C342	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C343	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C344	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C345	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C346	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C347	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C348	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C349	0CH1473K562	CAPACITOR,CHIP[CERAMIC M/L HD	47000PF 50V K X7R(X) 1608 R/TP	
		C350	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C351	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C352	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C353	0CK4R7CF56A	CAPACITOR,FIXED CERAMIC(HIGH D	4.7PF 1608 16V 10% R/TP X7R	
		C354	0CH4181K412	CAPACITOR,CHIP[CERAMIC M/L TC	180P 50V J COG 1.6X0.8 R/TP	
		C355	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C356	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C357	0CK4R7CF56A	CAPACITOR,FIXED CERAMIC(HIGH D	4.7PF 1608 16V 10% R/TP X7R	
		C358	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C359	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C360	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C361	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C362	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C363	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C364	0CK684DF56A	CAPACITOR,FIXED CERAMIC(HIGH D	0.68UF 2012 16V 10% R/TP X7R	
		C365	0CK684DF56A	CAPACITOR,FIXED CERAMIC(HIGH D	0.68UF 2012 16V 10% R/TP X7R	
		C366	0CK684DF56A	CAPACITOR,FIXED CERAMIC(HIGH D	0.68UF 2012 16V 10% R/TP X7R	
		C368	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C369	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C370	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C371	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C376	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C377	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C378	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C379	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C380	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C381	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C382	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C383	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C384	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C385	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C386	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C387	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C388	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C389	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C390	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C391	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C392	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C393	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C394	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C395	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C396	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C397	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C398	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C399	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C400	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C401	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C402	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C403	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C404	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C405	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C406	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C407	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C408	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C409	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C410	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C412	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C415	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C416	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C417	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C418	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C419	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C420	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C421	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C422	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C423	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C424	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C425	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C426	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C427	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C428	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C429	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C430	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C431	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C432	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C433	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C434	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C435	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C436	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C437	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C438	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C439	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C440	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C441	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C442	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C443	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C444	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C445	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C446	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C447	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C448	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C449	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C450	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C451	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C452	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C453	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C454	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C455	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C456	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C457	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C458	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C459	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C460	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C461	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C462	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C463	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C464	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C465	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C466	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C467	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C468	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C469	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C470	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C471	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C472	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C473	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C474	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C475	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C476	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C477	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C478	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C479	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C480	0CE226VK6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MV 50V 20% SMD R/TP(SMD)	
		C483	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C484	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C486	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C487	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C488	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C489	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C490	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C493	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C494	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C495	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C496	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C497	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C498	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C499	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C503	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C504	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C533	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C535	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C539	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C540	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C541	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C542	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C543	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C544	0CE476SF6DC	CAPACITOR,FIXED ELECTROLYTIC	47UF MVG 16V 20% SMD R/TP	
		C545	0CE476SF6DC	CAPACITOR,FIXED ELECTROLYTIC	47UF MVG 16V 20% SMD R/TP	
		C546	0CE476SF6DC	CAPACITOR,FIXED ELECTROLYTIC	47UF MVG 16V 20% SMD R/TP	
		C547	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C548	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C549	0CE227VF6DC	CAPACITOR,FIXED ELECTROLYTIC	220UF MV 16V 20% R/TP(SMD) SMD	
		C550	0CE474VK6DC	CAPACITOR,FIXED ELECTROLYTIC	0.47UF MV 50V 20% R/TP(SMD) SM	
		C551	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C552	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C553	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C555	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C556	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C557	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C558	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C559	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C561	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C562	0CE227VF6DC	CAPACITOR,FIXED ELECTROLYTIC	220UF MV 16V 20% R/TP(SMD) SMD	
		C563	0CE227VF6DC	CAPACITOR,FIXED ELECTROLYTIC	220UF MV 16V 20% R/TP(SMD) SMD	
		C564	0CE227VF6DC	CAPACITOR,FIXED ELECTROLYTIC	220UF MV 16V 20% R/TP(SMD) SMD	
		C565	0CE474VK6DC	CAPACITOR,FIXED ELECTROLYTIC	0.47UF MV 50V 20% R/TP(SMD) SM	
		C566	0CH4221K412	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C567	0CE477VD6DC	CAPACITOR,FIXED ELECTROLYTIC	470UF MV 10V 20% R/TP(SMD) SMD	
		C568	0CE477VD6DC	CAPACITOR,FIXED ELECTROLYTIC	470UF MV 10V 20% R/TP(SMD) SMD	
		C569	0CE477VD6DC	CAPACITOR,FIXED ELECTROLYTIC	470UF MV 10V 20% R/TP(SMD) SMD	
		C570	0CE477VD6DC	CAPACITOR,FIXED ELECTROLYTIC	470UF MV 10V 20% R/TP(SMD) SMD	
		C571	0CE477VD6DC	CAPACITOR,FIXED ELECTROLYTIC	470UF MV 10V 20% R/TP(SMD) SMD	
		C572	0CE477VD6DC	CAPACITOR,FIXED ELECTROLYTIC	470UF MV 10V 20% R/TP(SMD) SMD	
		C573	0CH4221K412	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C574	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C575	0CH4470K412	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C577	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C578	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C579	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C580	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C581	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C582	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C583	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C584	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C585	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C586	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C587	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C588	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C589	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C590	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C591	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C592	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C593	0CH4180K412	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C594	0CH4180K412	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C595	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C596	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C597	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C598	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C599	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C600	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C601	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C602	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C603	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C604	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C605	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C606	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C607	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C608	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C609	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C610	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C611	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C612	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C613	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C614	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C615	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C616	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C617	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C618	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C619	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C620	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C621	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C622	0CH4200K412	CAPACITOR,FIXED CERAMIC(High d	20PF 50V 5% NP0 1608 R/TP	
		C623	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C624	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C625	0CH4200K412	CAPACITOR,FIXED CERAMIC(High d	20PF 50V 5% NP0 1608 R/TP	
		C626	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C627	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C628	0CH4200K412	CAPACITOR,FIXED CERAMIC(High d	20PF 50V 5% NP0 1608 R/TP	
		C629	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C630	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C631	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C632	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C633	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C634	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C635	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C636	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C637	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C638	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C639	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C640	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C641	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C642	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C643	0CE107VK6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MV 50V 20% SMD R/TP(SMD)	
		C644	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C645	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C646	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C647	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C648	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C649	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C650	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C651	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C656	0CH4121K412	CAPACITOR,CHIP[CERAMIC M/L TC	120P 50V J COG 1.6X0.8 R/TP	
		C657	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C658	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C700	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C701	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C702	0CH1474K562	CAPACITOR,FIXED CERAMIC(TEMP.C	470000PF 1608 50V 10% - R/TP	
		C703	0CH1474K562	CAPACITOR,FIXED CERAMIC(TEMP.C	470000PF 1608 50V 10% - R/TP	
		C704	0CH1821K562	CAPACITOR,FIXED CERAMIC(Temp.c	820PF 50V 10% X7R(X) 1608 R/TP	
		C705	0CH1821K562	CAPACITOR,FIXED CERAMIC(Temp.c	820PF 50V 10% X7R(X) 1608 R/TP	
		C706	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C707	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C708	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C709	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C710	0CE107SF6DC	CAPACITOR,FIXED ELECTROLYTIC	100UF MVG 16V 20% SMD R/TP	
		C711	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C712	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C713	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C714	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C718	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C719	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C720	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C721	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C722	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C723	0CE226SF6DC	CAPACITOR,FIXED ELECTROLYTIC	22UF MVG 16V 20% SMD R/TP	
		C724	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C727	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C728	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C729	0CH4820K412	CHIP CAPA CERAMIC M/L T.C F/S	82P 50V J COG 1.6X0.8 R/TP	
		C730	0CH4820K412	CHIP CAPA CERAMIC M/L T.C F/S	82P 50V J COG 1.6X0.8 R/TP	
		C731	0CH4820K412	CHIP CAPA CERAMIC M/L T.C F/S	82P 50V J COG 1.6X0.8 R/TP	
		C732	0CH4820K412	CHIP CAPA CERAMIC M/L T.C F/S	82P 50V J COG 1.6X0.8 R/TP	
		C733	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C734	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C735	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C736	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C737	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C738	0CH4330K412	CAPACITOR,CHIP[CERAMIC M/L TC	33P 50V J COG 1.6X0.8 R/TP	
		C739	0CH4270K412	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C740	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C741	0CH4270K412	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C742	0CH4270K412	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C743	0CH4270K412	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C744	0CH4270K412	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C745	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C746	0CC100CK41A	CAPACITOR,FIXED CERAMIC(Temp.c	10PF 1608 50V 5% R/TP NP0	
		C747	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C748	0CH8106F611	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP	
		C749	0CH1104K512	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C750	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C751	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C752	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C753	0CH8105K611	CAPACITOR,FIXED ELECTROLYTIC	1UF 50V 20% 85STD (CYL) R/TP	
		C754	0CH1272K562	CAPACITOR,FIXED CERAMIC(Temp.c	2700PF 50V 10% X7R(X) 1608 R/T	
		C755	0CH1272K562	CAPACITOR,FIXED CERAMIC(Temp.c	2700PF 50V 10% X7R(X) 1608 R/T	
		C760	0CH4561K412	CAPACITOR,FIXED CERAMIC(High d	560PF 50V 5% NP0 1608 R/TP	
		C761	0CH1105D942	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C763	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C764	0CH4680K412	CAPACITOR,FIXED CERAMIC(HIGH D	68PF 50V 5% NP0 1608 R/TP	
		C766	0CH4680K412	CAPACITOR,FIXED CERAMIC(HIGH D	68PF 50V 5% NP0 1608 R/TP	
		C767	0CH4101K412	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C768	0CH4680K412	CAPACITOR,FIXED CERAMIC(HIGH D	68PF 50V 5% NP0 1608 R/TP	
		C950	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C951	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C952	0CH1103K562	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		D100	0DTSE00018A	DIODE,DETACTOR	SRV05-4TC SEMTECH R/TP SOT23-6	
		D101	0DTSE00018A	DIODE,DETACTOR	SRV05-4TC SEMTECH R/TP SOT23-6	
		D102	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D103	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D104	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D105	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D106	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D107	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D108	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D109	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D110	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D111	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D112	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D113	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D114	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D115	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D116	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D117	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D118	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D119	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D120	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D121	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D122	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D123	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D124	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D125	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D126	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D127	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D128	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		D129	0DTSE00018A	DIODE,DETACTOR	SRV05-4TC SEMTECH R/TP SOT23-6	
		D130	0DTSE00018A	DIODE,DETACTOR	SRV05-4TC SEMTECH R/TP SOT23-6	
		D131	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D132	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D134	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D135	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D137	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D138	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D139	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D140	0DRSE00028A	DIODE,RECTIFIERS	SLUV2.8 SEMTECH R/TP SOT23 2.8	
		D141	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D142	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D143	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D144	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D145	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D146	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D147	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D148	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D149	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D150	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D151	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
		D152	0DR050008AA	DIODE,RECTIFIERS	SD05.TC R/TP SEMTECH SOD323 5V	
⚠		F101	6200C000012	FILTER(CIRC),BAND PASS	TH355LSK-K5218 KOREA TOKO BK 4	
		F102	6200C000012	FILTER(CIRC),BAND PASS	TH355LSK-K5218 KOREA TOKO BK 4	
		F103	6200C000012	FILTER(CIRC),BAND PASS	TH355LSK-K5218 KOREA TOKO BK 4	
		F104	6200C000017	FILTER(CIRC),BAND PASS	LOW PASS FILTER 38MHZ TOKO R/T	
		F105	6200C000017	FILTER(CIRC),BAND PASS	LOW PASS FILTER 38MHZ TOKO R/T	
		F106	6200C000017	FILTER(CIRC),BAND PASS	LOW PASS FILTER 38MHZ TOKO R/T	
		F107	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F108	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F109	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F110	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F111	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F112	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F113	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F114	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F115	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F116	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F117	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F118	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F119	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F120	6200VJT006A	FILTER(CIRC),EMC	STC222D NIIGATA 50VOLT 4A 2200	
		F121	6200VJT006A	FILTER(CIRC),EMC	STC222D NIIGATA 50VOLT 4A 2200	
		F122	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F123	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F124	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F125	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F126	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F127	6140R-C010A	COIL,TRAP FM	CHOKE 944CM-0004=P3 TOKO EMI F	
		F128	6140R-C010A	COIL,TRAP FM	CHOKE 944CM-0004=P3 TOKO EMI F	
		F130	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F131	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F132	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		F133	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F134	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F135	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F136	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F137	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F138	6200JB8011P	FILTER(CIRC),EMC	BMS400-EMI NIIGATA TP	
		F139	6200JB8009L	FILTER(CIRC),EMC	EMC BMK800 50V 0.2A NIIGATA R/	
		F140	6200JB8009L	FILTER(CIRC),EMC	EMC BMK800 50V 0.2A NIIGATA R/	
		F141	6200JB8009L	FILTER(CIRC),EMC	EMC BMK800 50V 0.2A NIIGATA R/	
		F142	6200JB8009L	FILTER(CIRC),EMC	EMC BMK800 50V 0.2A NIIGATA R/	
		F143	6200JB8009L	FILTER(CIRC),EMC	EMC BMK800 50V 0.2A NIIGATA R/	
		IC100	0IMCRBM002A	IC,MICRO CONTROLLER	IBM25PPC405GP-3BE200C IBM 456	
⚠		IC101	0IPMGS1003A	IC,POWER MANAGEMENT	SC1565IST-2.5TR SEMTECH 3PIN S	
⚠		IC102	0IKE702900F	IC,KEC	KIA7029AF SOT-89 TP IC,RESET -	
		IC103	0IPRPCY006A	IC,PERIPHERALS	CY2305SC-1HT CYPRESS 8PIN SOIC	
		IC104	0ISTLPH026A	IC,STANDARD LOGIC	74LVC14APW PHILIPS 14PIN TSSOP	
		IC105	0ISTLAT009A	IC,STANDARD LOGIC	EPM7256AE 144-10 ALTERA TQFP 1	
		IC106	0IMMRSS006D	IC,MEMORIES	K4S281632E-TC75 SAMSUNG ELECTR	
		IC106	0IMMRHY015B	IC,MEMORIES	HY57V281620HCT-H HYUNDAI 54P,T	
		IC107	0IMMRSS006D	IC,MEMORIES	K4S281632E-TC75 SAMSUNG ELECTR	
		IC107	0IMMRHY015B	IC,MEMORIES	HY57V281620HCT-H HYUNDAI 54P,T	
		IC109	0IMMRFU004A	IC,MEMORIES	MBM29DL323TE90TN FUJITSU 48 TS	
		IC110	0IMMRFU004A	IC,MEMORIES	MBM29DL323TE90TN FUJITSU 48 TS	
		IC111	0IPH858400A	IC,PHILIPS	PCF8584T 20P,SOP TP IIC BUS CO	
		IC112	0IMP242560A	IC,MICRO CHIP TECHNOLOGY	24LC256-I/SM 8P,SOP TP 256K II	
		IC113	0ISTLFA046A	IC,STANDARD LOGIC	74LCX245MTCX FAIRCHILD 20P TSO	
		IC114	0IPMGSJ014A	IC,POWER MANAGEMENT	SC15651ST-1.8 SEMTECH 3P SOT-2	
		IC115	0ICTMLG009A	IC,CUSTOMIZED	LGDT1102 HD2 LG IC SBGA-432PI	
		IC116	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC116	0IMMREB004A	IC,MEMORIES	M12L64164A-7T ELITE MEMORY TEC	
		IC117	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC117	0IMMREB004A	IC,MEMORIES	M12L64164A-7T ELITE MEMORY TEC	
		IC118	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC118	0IMMREB004A	IC,MEMORIES	M12L64164A-7T ELITE MEMORY TEC	
		IC119	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC119	0IMMREB004A	IC,MEMORIES	M12L64164A-7T ELITE MEMORY TEC	
		IC120	0IPRPCY006A	IC,PERIPHERALS	CY2305SC-1HT CYPRESS 8PIN SOIC	
		IC122	0IKE704200J	IC,KEC	KIA7042AF SOT-89 TP 4.2V VOLTA	
		IC123	0IPMGKE016A	IC,POWER MANAGEMENT	KIA78DL08F KEC 3P DPAK(SMD) R/	
		IC124	0ILNRMN007A	IC,LINEAR	MSP4450G MICRONAS 64 PMQFP TRA	
		IC125	0IJR458000B	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC126	0IPRPS2002A	IC,PERIPHERALS	SIL170 SILICON MAGIC 64 TQFP T	
		IC127	0ILNRMN005B	IC,LINEAR	VPX3226F MICRONAS 44PIN PMQFP	
		IC128	0IPRPPH012A	IC,PERIPHERALS	P82B715TD PHILIPS 8 SOP R/TP I	
		IC129	0ICTMLG011A	IC,CUSTOMIZED	LGDT1303 LG IC 324PIN BGA TRAY	
		IC130	0IPMGS1003A	IC,POWER MANAGEMENT	SC1565IST-2.5TR SEMTECH 3PIN S	
		IC131	0IMMRSS041B	IC,MEMORIES	K4S641632F-TL75 SAMSUNG ELECTR	
		IC131	0IMMREB004A	IC,MEMORIES	M12L64164A-7T ELITE MEMORY TEC	
		IC132	0ILNRBR001A	IC,LINEAR	BCM7040 BROADCOM 176 LQFP TRAY	
		IC133	0IMMRSS037C	IC,MEMORIES	K4S643232F-TC60 SAMSUNG ELECTR	
		IC133	0IMMRHY025A	IC,MEMORIES	HY57V643220CT-7 HYUNDAI 86P TS	
		IC134	0IPMGSJ014A	IC,POWER MANAGEMENT	SC15651ST-1.8 SEMTECH 3P SOT-2	
		IC135	0IPRPRL001A	IC,PERIPHERALS	ARS0303D ARALION 144-LQFP TRAY	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		IC137	0IPMGSJ014A	IC,POWER MANAGEMENT	SC15651ST-1.8 SEMTECH 3P SOT-2	
		IC140	0IPRPTI015A	IC,PERIPHERALS	MAX232DR TEXAS INSTRUMENT 16PI	
		IC142	0IPRPTK001A	IC,PERIPHERALS	TK15420M TOKO 8 SOP R/TP VIDEO	
		IC143	0IPRPAD005A	IC,PERIPHERALS	AD8013AR-14 ANALOG DEVICE 14 S	
		IC144	0IPRPAD005A	IC,PERIPHERALS	AD8013AR-14 ANALOG DEVICE 14 S	
		IC145	0ISTLAT009A	IC,STANDARD LOGIC	EPM7256AE 144-10 ALTERA TQFP 1	
		IC146	0IPRPTI029A	IC,PERIPHERALS	TSB43CA43A TEXAS INSTRUMENT S-	
		IC147	4811R-0042N	BRACKET ASSEMBLY	VCR LST-3410A FA 78R05	
		IC148	0IMCRMI014A	IC,MICRO CONTROLLER	M37272E8SP MITSUBISHI SK-011T	
		IC149	0IKE704200J	IC,KEC	KIA7042AF SOT-89 TP 4.2V VOLTA	
		IC150	4811R-0042Q	BRACKET ASSEMBLY	VCR LST-3410A FAIRCHILD KA278R	
		IC151	0IPRPPH019A	IC,PERIPHERALS	PCA9515D PHILIPS 8 PIN PLASTIC	
		IC153	0ISTLFA054A	IC,STANDARD LOGIC	74LCX244MTCX FAIRCHILD 20P TSS	
		IC155	0IJR458000B	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC156	0IPRPAD005A	IC,PERIPHERALS	AD8013AR-14 ANALOG DEVICE 14 S	
		IC157	0IPRPAD005A	IC,PERIPHERALS	AD8013AR-14 ANALOG DEVICE 14 S	
		IC158	0ICB533100A	IC,CRYSTAL SEMICONDUCTOR	CS5331A-KSR 8SOIC TP ADC -	
		IC159	0IPH745400A	IC,PHILIPS	74HC540 20P,SOP TP OCTAL BUFFE	
		IC160	0IPRPPH019A	IC,PERIPHERALS	PCA9515D PHILIPS 8 PIN PLASTIC	
		IC161	0IPRPCY004A	IC,PERIPHERALS	CY24206ZC-4T CYPRESS 16PIN TSS	
		J103	6612K00003A	JACK,FIBER OPTIC	PLT131/T5/6 EVERLIGHT PUSH TYP	
		J104	6630R-SY08X	CONNECTOR(CIRC),DRAWING	DV2R024NKA JAE 24P SPECIAL DVI	
		J109	6630GZ00224	CONNECTOR (CIRC),D-SUB	3340-09S/15S-AFR-GO-T POWERNET	
		J111	6612BBBHN5A	JACK,DIN	SCN556S4GTTB000 S-VIDEO HYUSUN	
		J119	6612J00034A	JACK,RCA	RCA-619A-01-01G YUQIU LST-3410	
		J120	6612JH003DA	JACK,RCA	RCA-907A-01G YUQIU DIRECTV	
		L100	0LCCE00004P	INDUCTOR,CHIP	3.3UH, CHIP2012 CERATECH R/TP	
⚠		L101	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 2	
⚠		L102	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L103	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L104	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L105	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L106	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L107	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L108	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L109	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L110	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L111	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L112	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L113	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L114	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L115	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L116	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L119	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L120	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L121	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L122	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L125	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L126	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	
		L127	0LCCE00004F	INDUCTOR,CHIP	22UH, CHIP2012 CERATECH R/TP	
		L128	0LCCE00004F	INDUCTOR,CHIP	22UH, CHIP2012 CERATECH R/TP	
		L129	0LCCE00004F	INDUCTOR,CHIP	22UH, CHIP2012 CERATECH R/TP	
		L130	0LCCE00004D	INDUCTOR,CHIP	6.8UH, CHIP2012 CERATECH R/TP	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		LED100	0DL210008GA	LED	SML-210MT R/TP ROHM GREEN 16	
		LED101	0DL210009LA	LED	SML-210VT TP ROHM RED .	
		LED102	0DL210009LA	LED	SML-210VT TP ROHM RED .	
		LED105	0DL210009LA	LED	SML-210VT TP ROHM RED .	
		Q100	0TR830009BA	TRANSISTOR,BIPOLARS	BSS83 TP PHILIPS NON N-CHANNEL	
		Q101	0TR830009BA	TRANSISTOR,BIPOLARS	BSS83 TP PHILIPS NON N-CHANNEL	
		Q102	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q103	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q104	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q105	0TR102009AC	TRANSISTOR	KRA102S TP KEC SOT-23	
		Q106	0TR387509AB	TRANSISTOR,BIPOLARS	KTC3875S-Y-T1(ALY) KEC TP TO9	
		Q107	0TR387509AB	TRANSISTOR,BIPOLARS	KTC3875S-Y-T1(ALY) KEC TP TO9	
		Q108	0TR387509AB	TRANSISTOR,BIPOLARS	KTC3875S-Y-T1(ALY) KEC TP TO9	
		Q110	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q111	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q112	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q113	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q114	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q115	0TR387509AB	TRANSISTOR,BIPOLARS	KTC3875S-Y-T1(ALY) KEC TP TO9	
		Q117	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q118	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q119	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q120	0TR102009AA	TRANSISTOR	CHIP KRC102S-T1(NB)10-10 KEC	
		Q121	0TR102009AA	TRANSISTOR	CHIP KRC102S-T1(NB)10-10 KEC	
		Q122	0TR102009AA	TRANSISTOR	CHIP KRC102S-T1(NB)10-10 KEC	
		Q126	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q127	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q128	0TR102009AC	TRANSISTOR	KRA102S TP KEC SOT-23	
		Q129	0TR387509AB	TRANSISTOR,BIPOLARS	KTC3875S-Y-T1(ALY) KEC TP TO9	
		Q130	0TR387509AB	TRANSISTOR,BIPOLARS	KTC3875S-Y-T1(ALY) KEC TP TO9	
		Q131	0TR150409AC	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q132	0TRKE80039A	TRANSISTOR,BIPOLARS	KRA225S-T1(PU) KEC R/TP SOT23	
		Q135	0TR102009AC	TRANSISTOR	KRA102S TP KEC SOT-23	
		Q136	0TR102009AC	TRANSISTOR	KRA102S TP KEC SOT-23	
		R100	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R101	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R102	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R103	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R104	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R105	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R106	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R107	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R108	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R109	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R110	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R111	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R112	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R113	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R114	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R115	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R116	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R117	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R118	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R121	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R122	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R125	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R126	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R129	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R130	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R133	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R134	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R137	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R138	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R148	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R149	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R150	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R151	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R154	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R155	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R158	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R159	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R161	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R162	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R164	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R165	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R167	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R168	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R169	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R171	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R172	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R175	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R176	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R177	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R178	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R179	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R180	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R181	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R182	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R183	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R184	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R185	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R186	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R187	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R189	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R190	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R191	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R195	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R196	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R197	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R198	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R199	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R200	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R201	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R202	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R203	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R204	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R205	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R206	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R208	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R209	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R210	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R211	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R212	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R213	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R214	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R215	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R216	0RH3900C622	RESISTOR,METAL GLAZED(CHIP)	390 OHM 1 / 16 W 1608 5.00% D	
		R217	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R218	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R219	0RH3900C622	RESISTOR,METAL GLAZED(CHIP)	390 OHM 1 / 16 W 1608 5.00% D	
		R220	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R221	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R222	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R223	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R224	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R225	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R226	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R227	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R228	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R229	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R230	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R231	0RH1302C622	RESISTOR,METAL GLAZED(CHIP)	13K OHM 1 / 16 W 1608 5.00% D	
		R232	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R234	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R235	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R236	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R239	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R240	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R241	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R246	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R247	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R248	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R249	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R250	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R251	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R252	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R254	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R255	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R256	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R258	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R259	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R263	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R264	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R265	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R268	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R269	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R270	0RH3302C622	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 16 W 1608 5.00% D	
		R271	0RH3302C622	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 16 W 1608 5.00% D	
		R272	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R273	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R274	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R275	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R276	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R277	0RH2702C622	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 16 W 1608 5.00% D	
		R278	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R279	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R280	0RH2702C622	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 16 W 1608 5.00% D	
		R281	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R282	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R283	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R284	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R287	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R288	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R289	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R290	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R292	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R293	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R294	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R295	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R296	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R297	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R298	0RH5100C622	RESISTOR,METAL GLAZED(CHIP)	510 OHM 1 / 16 W 1608 5.00% D	
		R299	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R300	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R302	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R303	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R304	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R305	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R310	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R312	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R314	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R319	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R321	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R323	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R333	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R334	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R335	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R336	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R337	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R338	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R339	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R340	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R341	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R342	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R343	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R344	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R345	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R346	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R347	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R348	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R351	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R352	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R353	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R354	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R356	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R357	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R358	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R359	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R360	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R361	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R362	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R363	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R364	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R365	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R366	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R367	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R368	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R369	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R370	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R375	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R376	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R377	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R378	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R379	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R380	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R390	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R391	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R392	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R393	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R394	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R395	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R396	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R397	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R398	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R400	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R401	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R402	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R403	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R404	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R405	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R406	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R407	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R408	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R409	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R410	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R412	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R413	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R414	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R415	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R416	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R417	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R418	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R419	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R420	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		R421	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R422	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R423	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		R424	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R425	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R426	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R427	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R428	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R429	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R430	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R431	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R433	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R435	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R436	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R438	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R440	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R441	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R442	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R443	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R444	0RH2700C622	RESISTOR,METAL GLAZED(CHIP)	270 OHM 1 / 16 W 1608 5.00% D	
		R447	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R454	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R455	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R456	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R474	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R478	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R479	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R480	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R484	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R485	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R486	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R487	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R488	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R489	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R490	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R491	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R492	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R493	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R494	0RJ3601C677	RESISTOR,METAL GLAZED(CHIP)	3.6K OHM 1/16 W 5% 1608 R/TP	
		R495	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R496	0RJ3601C677	RESISTOR,METAL GLAZED(CHIP)	3.6K OHM 1/16 W 5% 1608 R/TP	
		R497	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R499	0RJ3601C677	RESISTOR,METAL GLAZED(CHIP)	3.6K OHM 1/16 W 5% 1608 R/TP	
		R500	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R501	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R502	0RH3901C622	RESISTOR,METAL GLAZED(CHIP)	3.9K OHM 1 / 16 W 1608 5.00% D	
		R505	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R506	0RH3901C622	RESISTOR,METAL GLAZED(CHIP)	3.9K OHM 1 / 16 W 1608 5.00% D	
		R508	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R510	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R511	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R512	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R513	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R514	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R515	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R516	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R517	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R518	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R519	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R520	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R521	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R522	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R523	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R527	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R528	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R529	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R530	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R531	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R532	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R533	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R534	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R535	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R536	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R537	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R538	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R539	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R540	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R541	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R542	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R543	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R544	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R545	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R546	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R547	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R548	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R549	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R550	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R551	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R552	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R553	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R554	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R556	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R560	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R561	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R562	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R563	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R565	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R566	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R567	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R568	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R569	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R571	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R572	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R575	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R577	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R578	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R579	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R581	0RJ1004C677	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1/16 W 5% 1608 R/TP	
		R582	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R583	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R584	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R585	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R586	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R587	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R588	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R589	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R590	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R592	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R595	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R596	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R597	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R598	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R599	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R600	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R601	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R602	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R603	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R604	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R605	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R606	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R607	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R608	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R609	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R610	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R611	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R613	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R614	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R615	0RJ1004C677	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1/16 W 5% 1608 R/TP	
		R616	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R618	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R619	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R620	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R621	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R623	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R625	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R626	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R627	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R628	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R633	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R634	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R635	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R636	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R637	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R640	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R642	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R651	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R652	0RH0752C622	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R653	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R654	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R655	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R656	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R657	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R658	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R659	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R661	0RH6202C622	RESISTOR,METAL GLAZED(CHIP)	62K OHM 1 / 16 W 1608 5.00% D	
		R662	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R663	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R664	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R665	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R666	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R668	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R669	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R670	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R671	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R672	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R673	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R674	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R675	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R676	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R677	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R678	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R701	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R702	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R703	0RH3302C622	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 16 W 1608 5.00% D	
		R704	0RH3302C622	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 16 W 1608 5.00% D	
		R705	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R706	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R707	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R708	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R709	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R710	0RH2702C622	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 16 W 1608 5.00% D	
		R711	0RH2702C622	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 16 W 1608 5.00% D	
		R712	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R713	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R714	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R715	0RH2001C622	RESISTOR,METAL GLAZED(CHIP)	2K OHM 1 / 16 W 1608 5.00% D	
		R716	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R717	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R718	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R719	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R720	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R721	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R723	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R724	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R728	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R729	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R730	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R734	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R735	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R736	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R737	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R738	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R739	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R740	0RH8200C622	RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 16 W 1608 5.00% D	
		R741	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R742	0RH8200C622	RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 16 W 1608 5.00% D	
		R743	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R744	0RH8200C622	RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 16 W 1608 5.00% D	
		R745	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R746	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R747	0RH1200C622	RESISTOR,METAL GLAZED(CHIP)	120 OHM 1 / 16 W 1608 5.00% D	
		R748	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R749	0RH1200C622	RESISTOR,METAL GLAZED(CHIP)	120 OHM 1 / 16 W 1608 5.00% D	
		R750	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R751	0RH1200C622	RESISTOR,METAL GLAZED(CHIP)	120 OHM 1 / 16 W 1608 5.00% D	
		R752	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R753	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R754	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R755	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R756	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R757	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R761	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R764	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R765	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R766	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R767	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R768	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R769	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R770	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R771	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R772	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R773	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R776	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R777	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R778	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R779	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R780	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R782	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R783	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R787	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R788	0RJ4300C677	RESISTOR,METAL GLAZED(CHIP)	430 OHM 1/16 W 5% 1608 R/TP	
		R789	0RJ4300C677	RESISTOR,METAL GLAZED(CHIP)	430 OHM 1/16 W 5% 1608 R/TP	
		R790	0RJ4300C677	RESISTOR,METAL GLAZED(CHIP)	430 OHM 1/16 W 5% 1608 R/TP	
		R791	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R792	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R793	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R794	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R795	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R799	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R800	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R801	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R802	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R803	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R804	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R805	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R806	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R807	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R808	0RH5601C622	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R809	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R810	0RH1004C622	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R811	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R812	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R814	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R815	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R816	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R817	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R950	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R951	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R952	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R953	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R954	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R955	0RH6341C422	RESISTOR,METAL GLAZED(CHIP)	6.34K OHM 1 / 16 W 1608 1.00%	
		R956	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		TU100	6700NB0014A	TUNER	TDVL-H001P(ATSC-QAM-VSB- NIM)	
		TU101	6704R-N005A	MODULATOR	TASA-H001F W/0 RF 3/4 LG NTSC	
		U100	6204B43333C	OSCILLATOR	BMS-873R BUBANG 33.3333MHZ +/-	
		U101	6204B41200C	OSCILLATOR	BMS-873R BUBANG 12.0000MHZ +/-	
		U104	6204B41350C	OSCILLATOR	BXV-153R BUBANG 13.5000MHZ +/-	
		U105	6204B48333C	OSCILLATOR	BMS-873R BUBANG 83.3300MHZ +/-	
		U106	6204B41228A	OSCILLATOR	K3750HC CHUNGHO ELCOM 12.288MH	
		VX100	6204B62700C	OSCILLATOR	BXV-153R BUBANG 27.0000MHZ +/-	
		X100	6212AB2008A	RESONATOR,CRYSTAL	SX-1 SUNNY 18.432MHZ +/- 30 PP	
		X101	6212AB2010A	RESONATOR,CRYSTAL	SX-1 SUNNY 20.25MHZ +/- 30 PPM	
		X102	6212AB2245C	RESONATOR,CRYSTAL	HC-49/SM BUBANG 24.576 MHZ +/-	
		X103	6212AB2800C	RESONATOR,CRYSTAL	HC-49/SM BUBANG 8MHZ +/- 50 PP	

MEMO